El-Moasser Final Examinations

Model Exam 1

1 (A) Choose the correct answer :

1. Which of the following is a part of the biosphere ? ....
   a. Ice. b. Clouds. c. Animals. d. Water.
2. All the following are from sources of water on the Earth, <u>except</u> ....
   a. aquifers. b. ponds. c. glaciers. d. molten rocks.
3. Prevent developing of Ras Mohammed protectorate is considered as an example of ....
   a. preservation. b. pollution.
   c. sustainability. d. consumption.
4. We can see thousands of .... in the sky at night that give off heat and light.
   a. moons b. stars c. planets d. satellites

(B) Give a reason for the following :

The Sun appears larger and brighter than other stars.

....

2 (A) Complete the following sentences using the words below :

(wetland – geosphere – gravity – center)

1. A rat that digs a barrow in the soil is an example of the interaction between biosphere and ....
2. The direction of Earth's gravity is always toward .... of Earth.
3. The land that is partially covered with water is called ....
4. Any object has .... depending on its mass.

(B) What happens if ... ?

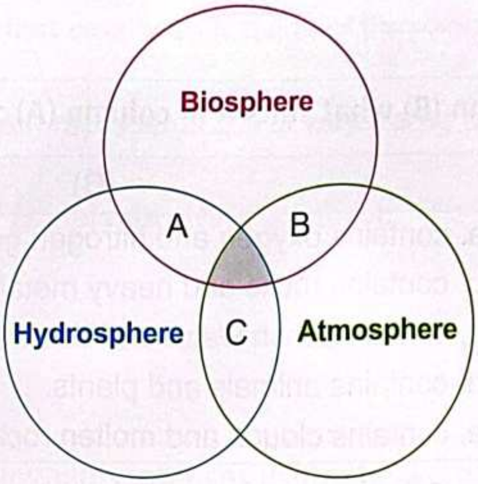
Plants can't get carbon dioxide gas from air.

....

3 (A) Put (✓) or (✗) :

1. Rivers and streams are freshwater moving bodies. (   )
2. The water of tributaries flow directly into seas and oceans. (   )
3. All parts of Earth receive sunlight at the same time. (   )
4. Earth revolves around the Sun in a fixed path. (   )

(B) The following model shows a diagram containing three interacted Earth's spheres. Read these sentences, then put (✓) or (✗) :



1. Area (B) can represent a student respire in oxygen gas. ( )
2. Area (A) can represent small rocks in an ocean. ( )
3. Area (C) can represent evaporation of sea water forming clouds and falling of rains. ( )

Model Exam 2

1 (A) Put (✓) or (✗) :

1. Wastewater engineers are scientists who work on recycling wastewater in water treatment plants. ( )
2. The atmosphere lets all light waves to pass to the Earth. ( )
3. Microplastics are large plastic pieces which can harm oceans and aquatic life. ( )
4. Cotton can be used as a filter to remove waste materials from water. ( )

(B) Give a reason for the following :

Not every water source is used as drinking water.

....

2 (A) Write the scientific term of each of the following :

1. The action of control reaching of humans to the natural resources or using them. (......................)
2. They are giant spheres of superhot gases most of them are hydrogen and helium. (......................)
3. A dark object that revolves around Earth and reflects the sunlight falling on its surface. (......................)
4. The force of attraction that changes the direction of a moving object in air towards the ground. (......................)

(B) What happens if ...?

Earth stops spinning on its axis.

....

3 (A) Choose from column (B) what suits it in column (A) :

(A)	(B)
1. Geosphere	a. contains oxygen and nitrogen gases.
2. Atmosphere	b. contains rocks and heavy metals.
3. Biosphere	c. contains fresh water and salt water.
4. Hydrosphere	d. contains animals and plants.
	e. contains clouds and molten rocks.

1. .... 2. .... 3. .... 4. ....

(B) Correct the underlined words :

1. The center of the solar system is the <u>Earth</u>. (........................)
2. The phenomenon of <u>four seasons</u> occurs due to rotation of earth on its axis. (........................)

Model Exam 3

1 (A) Choose the correct answer :

1. All the following materials can be used to filter wastewater in simple water filter, <u>except</u> ....
   a. cotton. b. wood. c. charcoal. d. sand.
2. Presence of dolphins in oceans represents an interaction between .... and ....
   a. biosphere – hydrosphere. b. biosphere – geosphere.
   c. hydrosphere – atmosphere. d. hydrosphere – geosphere.
3. At the end of Nile River Delta there is a/an .... between Nile River and Mediterranean sea.
   a. lake b. wetland c. estuary d. ocean
4. Our solar system contains ....
   a. one star. b. one planet. c. one moon. d. no stars.

(B) What happens to ...?

The gravity of the Sun if its mass decreases than it is now.

....

....

2 (A) Write the scientific term of each of the following :

1. An imaginary line that passes through the two poles of Earth. (........................)
2. A type of pollution that occurs as a result of throwing waste in rivers and seas. (........................)
3. A type of water which represents 3% of water area on the Earth's surface. (........................)
4. The Sun and eight planets revolving around it. (........................)

(B) What happens if ...?

Water is collected in a low-lying area.

....

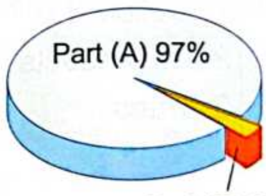
3 (A) Complete the following sentences using the words below :

(wastewater – biosphere – constellation – motion)

1. The Earth's system that includes all living organisms is called ....
2. When the object changes its position so, it is in a state of ....
3. The group of stars that make a certain shape in the sky is called ....
4. Water treatment plants recycle the .... by removing harmful materials from it to reuse again.

(B) Look at the opposite graph, then complete the sentences below :

1. Part .... represents fresh water, while part .... represents salt water.
2. The type of water which human can drink, is represented by part ....
3. Ocean is an example of water bodies which is included in part ....



Model Exam 4

1 (A) Complete the following sentences using the words below :

(groundwater – hydrosphere – electricity – atmosphere)

1. In High Dam, water is used to generate ....
2. The run out of .... causes wells to become dry.
3. The protective layer around the Earth that allows some light waves to pass and block others, is known as ....
4. Water runs across the land is an example of an interaction between .... and geosphere.

(B) Give a reason for the following :

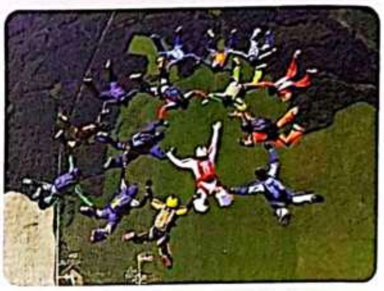
We should turn off water during washing dishes.

....

2 (A) Put (✓) or (X) :

1. If there is no hydrosphere, the biosphere will not exist. ( )
2. We can observe the Sun and the moon at night. ( )
3. All objects on Earth's surface is affected by magnetism force. ( )
4. At the beginning of the day, the Sun appears in the west direction. ( )

(B) Look at the opposite figure then choose the correct answer from those between brackets :



a. The force that causes skydivers to move down is called ....
(gravity of Earth – gravity of moon – gravity of Sun)

b. When skydivers open their parachuts they are attracted to ....
(Earth's center – moon's surface – the sky)

3 (A) Choose from column (B) what suits it in column (A) :

(A)	(B)
1. Cotton	a. can be used in making plastic.
2. Oil products	b. can be used in making paper.
3. Trees	c. can be used in making clothes.
	d. can be used in making cans.

1. .... 2. .... 3. ....

(B) What happens to ...?

The shadow of an object if the Sun locates at east or west in the sky.

....

Model Exam 5

1 (A) Put (✓) or (X) :

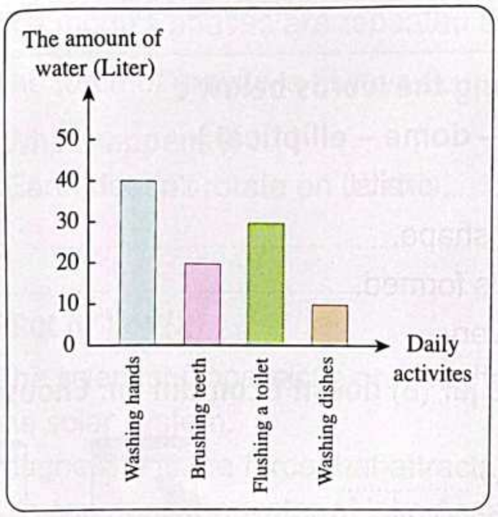
1. Our solar system contains eight planets. ( )
2. Wells and springs obtain their water from aquifers. ( )
3. Placing cows in many small grass areas is considered as sustainable situation. ( )
4. Valleys can be formed by rivers due to fast movement of river's water. ( )

(B) Give a reason for the following :

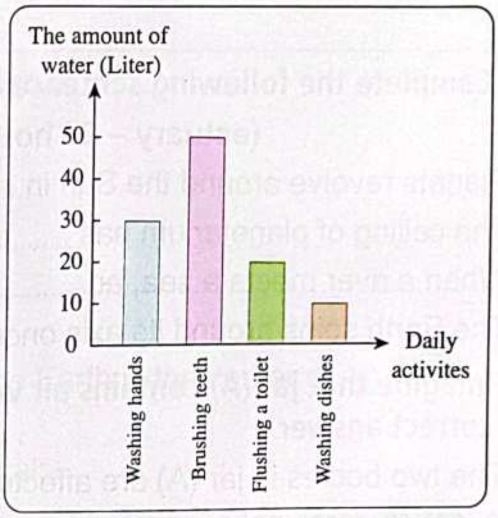
Atmosphere limits the using of some telescopes to see distant celestial bodies.

....

2 (A) Look at the following graphs which show the amount of water that is used by two families to do some of the same daily activities, then choose the correct answer :



Family (A)



Family (B)

1. Family (A) use largest amount of water in ...., while family (B) use largest amount of water in ....
   a. washing hands – washing dishes.
   b. brushing teeth – flushing a toilet.
   c. flushing a toilet – brushing teeth.
   d. washing hands – brushing teeth.
2. The total amount of water that is used by family (A) in brushing teeth and flushing a toilet is equal to that is used by family (B) in ....
   a. washing hands and brushing teeth.
   b. brushing teeth and flushing a toilet.
   c. washing hands and flushing a toilet.
   d. washing dishes and washing hands.
3. The total amount of water that is used by family (A) is .... that is used by family (B).
   a. larger than
   b. smaller than
   c. equal to
   d. two times

4. If you know that the two families have the same number of members, so according to the previous graphs ....
   a. family (A) conserves water more than family (B).
   b. family (B) conserves water more than family (A).
   c. both families do not conserve water.
   d. both families use the same amount of water.

(B) What happens to ... ?

The egg of a frog if it lays its eggs in a river instead of a pond.

....

3 (A) Complete the following sentences using the words below :

(estuary – 24 hours – dome – elliptical)

1. Planets revolve around the Sun in .... orbits.
2. The ceiling of planetarium has .... shape.
3. When a river meets a sea, an .... is formed.
4. The Earth spins around its axis once every ....

(B) Imagine that jar (A) contains air while jar (B) doesn't contain air. Choose the correct answer :

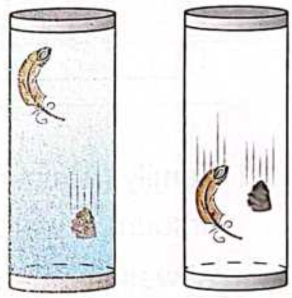


Figure A　　Figure B

1. The two bodies in jar (A) are affected by ....
   a. gravity force only.
   b. friction force only.
   c. air resistance and gravity.
   d. gravity and electricity.
2. The two bodies in jar (B) are affected by ....
   a. gravity force only.　　b. air resistance only.
   c. air resistance and gravity.　　d. gravity and electricity.
3. In jar (A), the rock reaches faster than the feather because it has ....
   a. more mass.　　b. higher temperature.
   c. less mass.　　d. lower volume.

Model Exam 6

1 (A) Choose from column (B) what suits it in columns (A) :

(A)	(B)
1. The word "Geo" refers to	a. water
2. The word "Hydro" refers to	b. Earth
3. The word "Atoms" refers to	c. life
4. The word "bio" refers to	d. vapor
	e. Sun

1. ....　　2. ....　　3. ....　　4. ....

(B) Give a reason for the following :

Our planet looks like a blue marble from the space.

....

2 **Complete the following sentences using these words :**

(pulling – fresh water – lunar month – floods)

1. We must take a quick shower to conserve ....
2. Wastewater engineers design ways to protect communities from ....
3. The moon's phases are repeated every ....
4. The force of gravity is always .... force.

(B) What happens if ... ?

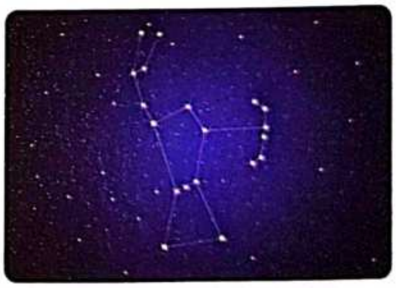
Earth doesn't rotate on its axis.

....

3 **(A) Put (✓) or (✗) :**

1. The scientist Copernicus proved that the Earth is the center of the solar system. (   )
2. Magnetism is the force that attracts metals. (   )
3. We can drink the water of lake Assal. (   )
4. Earth's system don't interact with each other. (   )

(B) The opposite figure illustrate one of the famous constellations :



1. The name of this constellation is ....
(Orion – Leo)
and it looks like ....
(horse – hunter)
2. This constellation consists of a group of ....
(planets – star)
3. The position of this constellation seems to appear at different locations due to ....
(Earth's rotation on its axis – Earth's revolution around the Sun)

Model Exam 7

1 **(A) Choose the correct answer :**

1. The area of land where all the water flows to a common location as ocean is called ....
a. tributary. b. estuary c. wetland. d. watershed.

2. Which of the following is found between pores of rocks below Earth's surface ? ....

a. Ice. b. Groundwater. c. Oceans. d. Water vapor.

3. The amount of salt water on the Earth is .... the amount of fresh water.

a. larger than b. smaller than c. equal to d. half

4. We cannot send astronauts to study stars because they are ....

a. so cold. b. faraway. c. too small. d. too large.

(B) Choose from column (B) what suits it in column (A) :

(A)	(B)
1. Jupiter 2. International Space Station 3. Earth 4. The Sun	a. is a spacecraft that orbits the Earth. b. is the center of the solar system. c. is the fastest planet that rotates on its axis. d. is the planet that completes one cycle on its axis in 24 hours. e. is the path in which planets revolve around the Sun.

1. .... 2. .... 3. .... 4. ....

2 (A) Write the scientific term of each of the following :

1. A triangular-shaped area of mud and other sediments that forms when a river meets a sea. (........................)
2. The process in which the small particles of rocks are transported from a place to another. (........................)
3. It is a group of stars, planets and gases held together by gravity. (........................)
4. It is a pull or push that affects an object. (........................)

(B) What happens to ... ?

The state of water when it is subjected to extreme cold weather.

....

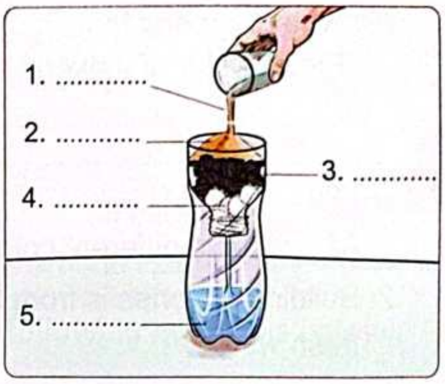
3 (A) Put (✓) or (✗) :

1. Water makes about two-thirds of human body. ( )
2. Any object on Earth's surface is affected by repulsion force of gravity. ( )
3. Some human activities are responsible for water pollution. ( )
4. The orbit of each planet has an elliptical shape. ( )

(B) Look at the opposite figure, then answer the questions below :

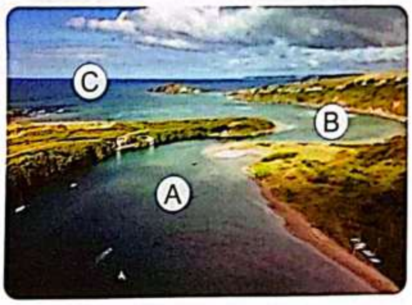
Label the figure using the following words :

(Charcoal – Wastewater – Cotton – Filtered water – Sand).



Model Exam 8

1 (A) Look at the opposite picture, in which area (A) shows a river, and area (C) shows an ocean, then choose the correct answer.



1. Area (B) represents ....
   a. pond.   b. lake.
   c. estuary.   d. groundwater.
2. Water lilies can be found in ....
   a. area (A).   b. area (C).
   c. both area (A) and area (C).   d. both area (B) and area (C).
3. All the following organisms can be found in area (C), except ....
   a. dolphin.   b. starfish.   c. flounder fish.   d. frog.

(B) Write the scientific term of each of the following :

1. The law which states that the force of gravity is constant and acts on all object in the same way. (........................)
2. The orbiting of Earth around the Sun. (........................)

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2 (A) Complete the following sentences using these words below :

(decrease – glacier – air resistance – friction)

1. The large sheet of ice or snow that moves slowly over Earth's surface is known as ....
2. The force that opposes the movement of objects as they pass through air is called ....
3. To conserve water, we can .... the time of washing our hands.
4. The force that slows down the movement of objects across solids, liquids or gases is called ....

(B) What happens to ...?

Fresh water of a river when it meets the salt water of a sea.

....

3 (A) Put (✓) or (✗) :

1. All people in different countries see the stars in the sky at the same time. (   )
2. Building factories is from human strategies to control and conserve fresh water. (   )
3. Without water, all forms of life will disappear. (   )
4. Superhot gases of the Sun burn producing heat and light energies. (   )

(B) Give a reason for the following :

Occurrence of day and night phenomenon.

....

Model Exam 9

1 (A) Correct the underlined words :

1. During the water cycle in nature, water evaporates forming rains. (.........................)
2. Plastic is made from wood of trees. (.........................)
3. The Earth locates at the center of the solar system. (.........................)
4. When rain falls on a soil, this represents an interaction between biosphere and geosphere. (.........................)

(B) Give a reason for the following :

Deltas are formed at the river's end.

....

2 (A) Choose from column (B) what suits it in column (A) :

(A)	(B)
1. Oceans	a. contain fresh water or salt water.
2. Lakes	b. contain salt water only.
3. Rivers	c. contain mixture of fresh water and salt water.
4. Estuary	d. contain fresh water only.
	e. is the water found in a gas state.

1. .... 2. .... 3. .... 4. ....

(B) Give a reason for the following :

Stars appear bright in the sky at night.

....

3 (A) Complete the following sentences using the words below :

(orbit – streams – gravity – float)

1. Among the sources of fresh water on Earth are ....
2. When a girl moves down a slide, this is due the force of ....
3. Whithout the force of gravity, the moon would .... off into space.
4. Earth is pulling the moon, keeping it in its .... around Earth.

(B) Look at the following figures then answer the following questions below :

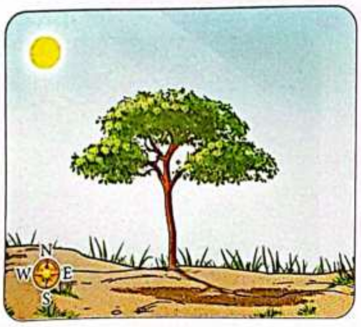


Figure (A)

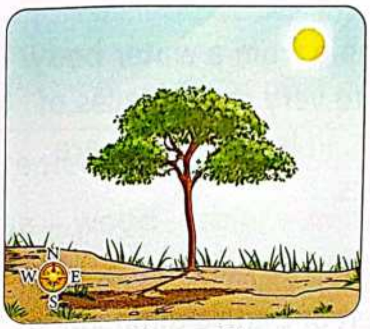


Figure (B)

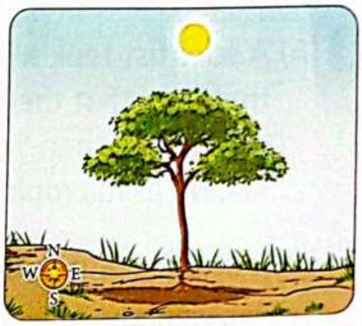


Figure (C)

1. The shadow of the tree will be longer at ....
   a. figure (A) only.
   b. figure (C) only.
   c. figure (B) and figure (C).
   d. figure (A) and figure (B).
2. The time at which figure (C) illustrates is ....
   a. 12 p.m.
   b. 10 a.m.
   c. 2 a.m.
   d. 3 p.m.
3. At noon the Sun locates above us during its movement that can be represented by ....
   a. figure (A) only.
   b. figure (C) only.
   c. figure (B) and figure (C).
   d. figure (A) and figure (B).

Model Exam 10

1 (A) Choose the correct answer :

1. All the following are saltwater lakes, <u>except</u> ....
   a. Lake Assal.
   b. Lake Nasser.
   c. Lake Idku.
   d. Lake Bardawil.
2. Sand, charcoal and cotton can be used to remove all the following materials from wastewater, <u>except</u> ....
   a. small pieces of plastic.
   b. salt dissolve in water.
   c. small particles of mud.
   d. small pieces of rocks.

3. The temperature of the gases that form the Sun is similar to the temperature of ....

a. the Earth. b. the moon. c. some planets. d. some stars.

4. In Egypt the cities in .... see the sunrise before the cities in ....

a. east – west b. west – east c. north – south d. south – west

(B) Give a reason for the following :

No green plants can survive in the abyssal zones of oceans.

....

2 (A) A scientist took a sample from a water body. He found that there are very small pieces of plastic less than 5 mm. in length which are known as microplastics.



Look at this picture, then put (✓) or (✗) :

1. This water body is a part of Earth's atmosphere. ( )
2. Living organisms that live in this water body represent an interaction between biosphere and hydrosphere. ( )
3. Microplastics are found only in salt water, but not in fresh water. ( )
4. Microplastics don't affect the organisms that live in this water body. ( )

(B) What happens if ...?

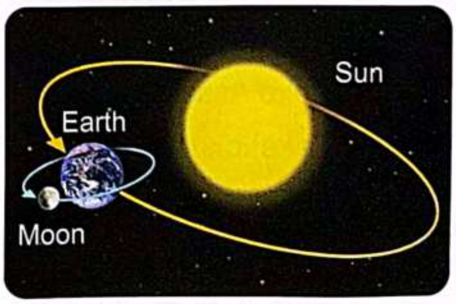
Stars are not made up of hot gases.

....

3 (A) Write the scientific term of each of the following :

1. The dark celestial bodies that revolve around the Sun in fixed orbits. (........................)
2. Areas of the ocean which contain coral reefs and intertidal zones. (........................)
3. It is an area of land where all the water flows to a common location usually an ocean, a sea or other large water bodies. (........................)
4. It is a medium-sized star that provides Earth with heat and light. (........................)

(B) Study the opposite figure, then choose the correct answer from those between brackets :



1. .... has the largest mass.
   (The moon – The Sun – The Earth)
2. .... has the smallest diameter.
   (The Sun – The Earth – The moon)
3. .... has the lowest gravity force.
   (The Earth – The moon – The Sun)

Model Exam 11

1 (A) Put (✓) or (✗) :

1. There are no living organisms live in the hydrosphere. ( )
2. Superhot gases of the Sun burn producing heat and light energies. ( )
3. Earth's revolution around the Sun causes day and night phenomenon. ( )
4. Oceans, lakes and rivers are included in the hydrosphere. ( )

(B) Give a reason for the following :

Occurrence of seasons on Earth.

....

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2 (A) Complete the following sentences using the words below :

(less – wood – solar – metal)

1. The amount of .... will be scarce, if forests are cut down faster than they can grow.
2. Magnetism is a force that attracts .... objects.
3. The energy which plays an important role in water cycle is .... energy.
4. The amount of fresh water on Earth is .... than the amount of salt water.

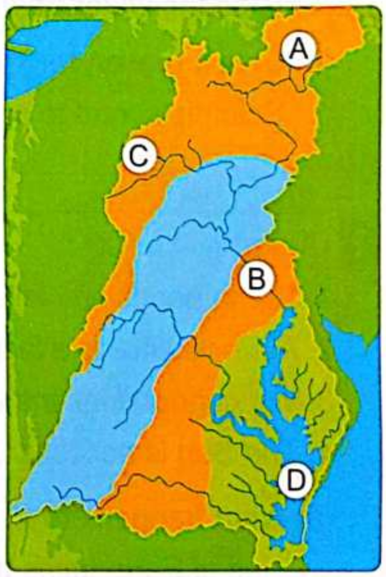
(B) What happens if ... ?

The rate of rainfall increases on a river.

....

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3 (A) Look at the opposite watershed map that shows a river and its tributaries, then choose the correct answer :



1. If there is a factory built near area Ⓐ, water in area .... will be polluted due to factory waste.
   a. Ⓑ only
   b. Ⓑ and Ⓓ only
   c. Ⓒ and Ⓑ only
   d. Ⓑ , Ⓒ and Ⓓ

2. If a .... is built near area Ⓑ, the amount of water in other areas will change.
   a. factory b. trash dump c. dam d. farm

3. If there is .... at area (C), floods may happen in the other areas.
   a. less rainfall   b. more rainfall   c. drought   d. wind blowing

4. The type of water which is found in areas (A), (B) and (C) is ....
   a. fresh water.   b. salt water.   c. frozen water.   d. mixed water.

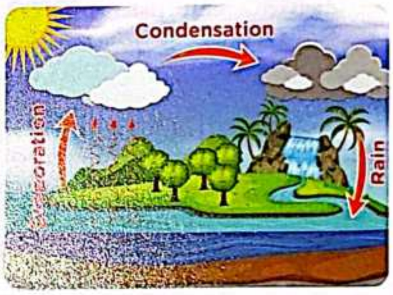
(B) Look at the opposite figure, then put (✓) or (✗) :



1. This place contains pictures about the sky and solar system. ( )
2. We can visit this place in Egypt. ( )
3. There is a projector in this place. ( )

Model Exam 12

1 (A) Look at the opposite figure, then complete the sentences below :



1. This figure represents the .... in nature.
2. The energy which plays an important role in this figure is the .... energy.
3. The process that takes place in this figure is similar to the .... process which takes place in water treatment plants.
4. Scientists which responsible for doing this process inside the water treatment plants are called ....

(B) Give a reason for the following :

Scientists tend to preserve freshwater sources on Earth.

....

2 (A) Put (✓) or (✗) :

1. Some ponds and lakes may dry up in winter months. ( )
2. Air resistance is a factor that speeds up the falling objects toward the Earth. ( )
3. We cannot drink the water of seas. ( )
4. The Sun is necessary for continuity of life on Earth. ( )

(B) What happens to ...?

Half of Earth faces the Sun.

....

3 (A) Cross out the odd word :

1. Water – Oxygen – Nitrogen – Carbon dioxide. (......................)
2. Ponds – Glaciers – Rains – Oceans. (......................)
3. The moon – The Sun – The Earth – Jupiter. (......................)
4. Gibbous – full moon – Day and night – First quarter. (......................)

(B) The opposite figure shows two apples, one of them has a mass of 50 gm while the mass of the other is 80 gm.

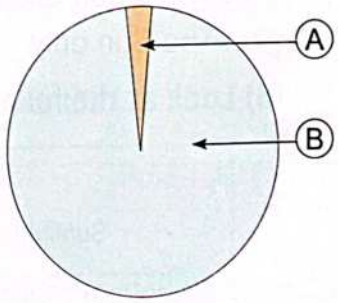


1. Which one of these apples is affected by Earth's gravity more than the other ?
   Give a reason for your answer.
   ....
   Because : ....
   ....

2. **Choose the correct answer :**
   The gravity of Earth is affected by all of the following, expect ....
   a. the mass of the fruit.
   b. the distance between the fruit and the Earth's surface.
   c. the type of the fruit.

Model Exam 13

1 (A) Look at this graph that shows the percentage of both salt water and fresh water in Earth's hydrosphere, then put (✓) or (×) in front of the following sentences :



1. Area (A) represents salt water. ( )
2. Seas and oceans are examples of water bodies that belong to area (B). ( )
3. During water cycle, water evaporates from both areas (A) and (B). ( )
4. The type of water in rivers belongs to area (A). ( )

(B) Give a reason for the following :

The moon appears bright in the sky at night.
....

2 **(A) Complete the following sentences using the words below :**

(sustainability – pollution – night – pull)

1. The half of Earth that doesn't receive any light has ....
2. Force may be push or .... the object to make it move.
3. Some human activities may cause water .... , that leads to drought or flooding of water bodies.
4. If we use fossil fuels wisely without negative affect their amount in future, this is called ....

(B) What happens to ... ?

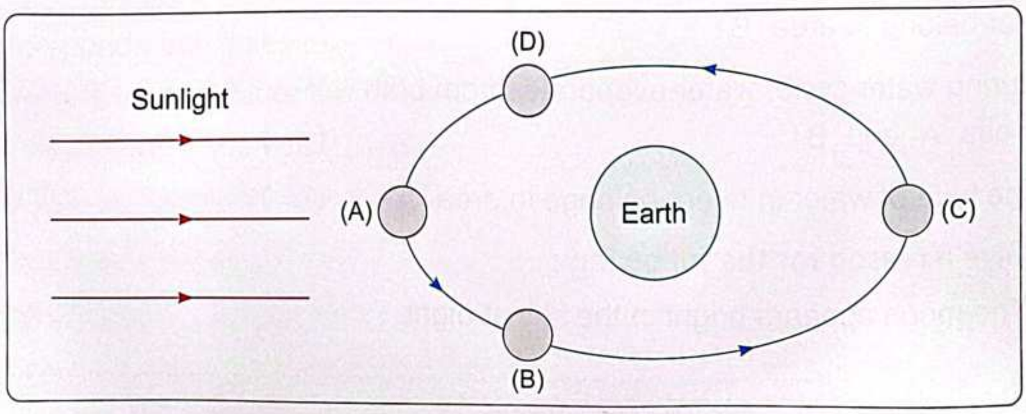
Animals that live in lakes if they dry up.

....

3 **(A) Choose the correct answer :**

1. Water cycle is considered as an example of ....
   a. recycling water. b. preservation of water.
   c. overusing water. d. conservation of water.
2. Human can use water in all the following purposes, except ....
   a. fishing. b. transportation.
   c. generating electricity. d. weathering of rocks.
3. Constellation appear .... in the sky during the year.
   a. at different positions b. at the same position
   c. in winter only d. in summer only
4. .... locate(s) at the center of our solar system.
   a. The moon and the Sun b. The moon and the Earth
   c. The Sun only d. The Earth only

(B) Look at the following figure then choose the correct answer :



1. The celestial body that revolves around Earth in this figure is ....
(the moon – the Sun – Jupiter)

2. The moon phase position (A) is ....
(full moon – new moon – crescent)

3. The moon phase in position (C) is ....
(full moon – new moon – crescent)

Model Exam 14

1 (A) Choose from column (B) what suits it in column (A) :

(A)	(B)
1. Shallow areas of oceans 2. Abyssal areas of oceans 3. Mosses 4. Dolphins	a. don't receive sunlight. b. contain coral reefs. c. live in salt water. d. live in fresh water. e. live in deserts.

1. .... 2. .... 3. .... 4. ....

(B) Give a reason for the following :

Mosquitoes lay their eggs in ponds.

....

2 (A) Correct the underlined words :

1. The Sun forms the shorter shadow of an object at the morning. (.........................)
2. The Earth spins around its axis once every 20 hours. (.........................)
3. Nitrogen in the air is a part of geosphere. (.........................)
4. Plastic is made of trees. (.........................)

(B) Give a reason for the following :

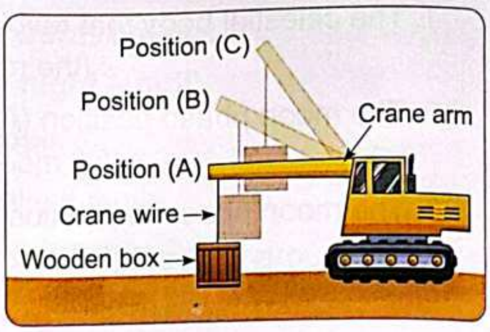
Although Earth rotates on its axis, we don't feel its movement.

....

3 (A) Write the scientific term of each of the following :

1. Tiny plastic particles that result from the breakdown of larger plastics. (.........................)
2. The water bodies that surround the continents. (.........................)
3. An invisible force that attracts metal objects to the magnet. (.........................)
4. Scientists that are responsible for studying the properties and behavior of celestial bodies in the space at planetarium. (.........................)

(B) The opposite figure shows a crane lifting up a wooden box from position (A) through positions (B) and (C). Choose the correct answer :



1. The force of Earth that acts on the box is known as .... force.
(magnetism – gravity – electric – repulsion)

2. This force attracts the wooden box at positions ....
(A & B only – B & C only – A & C only – A, B and C)

Model Exam 15

1 (A) Choose the correct answer :

1. All the following are characteristics of abyssal zone, except ....
   a. they are very deep areas.   b. sunlight can't reach it.
   c. they are dark areas.   d. they are shallow areas.
2. Among the kinds of wetlands are ....
   a. swamps and lakes.   b. marshes and bogs.
   c. ponds and oceans.   d. swamps and estuaries.
3. Rocks are broken down into smaller particles during .... process.
   a. photosynthesis   b. weathering
   c. erosion   d. respiration
4. The Sun is a star that gives out a very big amount of ....
   a. heat only.   b. light only.   c. heat and light.   d. heat and sound.

(B) Give a reason for the following :

Some telescopes cannot observe very distant celestial objects.

....

2 (A) Put (✓) or (✗) :

1. Atlantic ocean's floor may have mountains, plains and plateaus. ( )
2. A river always flows from an area of low place to an area with higher place. ( )
3. About three quarter of the moon is illuminated at the first Gibbous phase of the moon. ( )
4. The rotation of Earth around the Sun causes day and night phenomenon. ( )

(B) What happens if ...?

A trash dump is established near a tributary that is connected with a river.

....

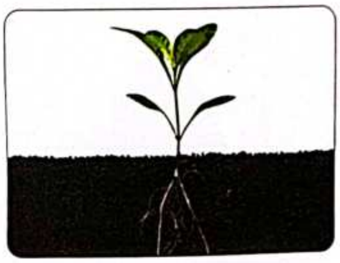
3 (A) Cross out the odd word :

1. Rivers – Rainwater – Gulfs – Groundwater. (........................)
2. Nile River – Ocean – Lake Assal – Sea. (........................)
3. Full moon – New moon – Shadow – Crescent. (........................)
4. Gibbous – Galileo binocular – International Space Station – Hubble Space Telescope. (........................)

(B) Look at the following pictures, then write below each picture the two Earth's spheres that interact with each other :



(1) .... and ....



(2) .... and ....

Model Exam 1

1 (A) 1. c 2. d 3. a 4. b
(B) Because the Sun is the closest star to the Earth.

2 (A) 1. geosphere. 2. center 3. wetland. 4. gravity
(B) Plants can't make their food by photosynthesis process.

3 (A) 1. (✓) 2. (✗) 3. (✗) 4. (✓)
(B) 1. (✓) 2. (✗) 3. (✓)

Model Exam 2

1 (A) 1. (✓) 2. (✗) 3. (✗) 4. (✓)
(B) Because humans cannot drink salt water, but they drink fresh water only.

2 (A) 1. Preservation. 2. Stars. 3. The moon. 4. The gravity.
(B) Day and night phenomenon will not happen.

3 (A) 1. b 2. a 3. d 4. c
(B) 1. Sun.
2. day and night

Model Exam 3

1 (A) 1. b 2. a 3. c 4. a
(B) The gravity of the Sun will decrease.

2 (A) 1. The Earth's axis.
2. Water pollution.
3. Fresh water.
4. The solar system.
(B) A lake is formed.

3 (A) 1. biosphere. 2. motion. 3. constellation. 4. wastewater
(B) 1. B – A 2. B 3. A

Model Exam 4

1 (A) 1. electricity. 2. groundwater 3. atmosphere. 4. hydrosphere
(B) To conserve fresh water because it is limited on Earth.

2 (A) 1. (✓) 2. (✗) 3. (✗) 4. (✗)
(B) a. gravity of Earth.
b. Earth's center.

3 (A) 1. c 2. a 3. b
(B) The shadow will be the longest.

Model Exam 5

1 (A) 1. (✓) 2. (✓) 3. (✗) 4. (✓)
(B) Because atmosphere allows some light waves to pass to Earth and it blocks others.

2 (A) 1. d 2. c 3. b 4. a
(B) The eggs will move away with the running water of the river.

3 (A) 1. elliptical 2. dome 3. estuary 4. 24 hours.
(B) 1. c 2. a 3. a

Model Exam 6

1 (A) 1. b 2. a 3. d 4. c
(B) Because more than 70% of Earth is covered by water.

2 (A) 1. fresh water. 2. floods. 3. Lunar month. 4. pulling
(B) Phenomenon of day and night will not happen.

3 (A) 1. (✗) 2. (✓) 3. (✗) 4. (✗)
(B) 1. Orion – hunter.
2. stars.
3. Earth's revolution around the Sun.

Model Exam 7

1 (A) 1. d 2. b 3. a 4. b
(B) 1. c 2. a 3. d 4. b

2 (A) 1. Delta.
2. Erosion process.
3. Galaxy.
4. Force.
(B) It will be changed into solid state (ice).

3 (A) 1. (✓) 2. (✗) 3. (✓) 4. (✓)
(B) 1. Wastewater. 2. Sand. 3. Charcoal. 4. Cotton.
5. Filtered water.

Model Exam 8

1 (A) 1. c 2. a 3. d

(B) 1. The Law of Motion.
2. Earth's revolution.

2 (A) 1. glacier.
2. air resistance.
3. decrease
4. friction.
(B) An estuary is formed.

3 (A) 1. (✗) 2. (✗) 3. (✓) 4. (✓)
(B) Due to the rotation of Earth on its axis.

Model Exam 9

1 (A) 1. water vapor.
2. oil products.
3. The Sun
4. hydrosphere
(B) Because when river's water slows down, sediments are deposited at river's endpoint forming deltas.

2 (A) 1. b 2. a 3. d 4. c
(B) Because stars produce light.

3 (A) 1. streams. 2. gravity. 3. float 4. orbit
(B) 1. d 2. a 3. b

Model Exam 10

1 (A) 1. b 2. b 3. d 4. a
(B) Because the abyssal zones don't receive sunlight, which is important for making food in plants.

2 (A) 1. (✗) 2. (✓) 3. (✗) 4. (✗)

(B) They will not give their own light and seem dark bodies.

3 (A) 1. The planets.
2. Shallow areas.
3. Watershed.
4. The Sun.

(B) 1. The Sun
2. The moon
3. The moon

Model Exam 11

1 (A) 1. (✗) 2. (✓) 3. (✗) 4. (✓)

(B) Due to the revolution of Earth around the Sun.

2 (A) 1. wood 2. metal
3. solar 4. less

(B) The level of water in this river will increase causing flooding.

3 (A) 1. d 2. c 3. b 4. a

(B) 1. (✓) 2. (✓) 3. (✓)

Model Exam 12

1 (A) 1. water cycle 2. solar
3. water treatment
4. wastewater engineers.

(B) Because the amount of fresh water is limited on Earth.

2 (A) 1. (✗) 2. (✗) 3. (✓) 4. (✓)

(B) This half has day.

3 (A) 1. Water (all items belong to atmosphere, while water belongs to hydrosphere).
2. Oceans (all items are freshwater sources, while oceans are saltwater sources).
3. The Sun (all items are dark celestail bodies, while the Sun is a star).
4. Day and night (all items are moon phases, while day and night is a phenomenon occur due to Earth's rotation on its axis).

(B) 1. The apple that has 80 gm mass – gravity increases by increasing the mass.
2. C

Model Exam 13

1 (A) 1. (✗) 2. (✓) 3. (✓) 4. (✓)

(B) Because the moon reflects the light of the Sun.

2 (A) 1. night. 2. pull
3. pollution
4. sustainability.

(B) They have to adapt to the changes that happen, or they will die.

3 (A) 1. a 2. d 3. a 4. c

(B) 1. the moon.
2. new moon.
3. full moon.

Model Exam 14

1 (A) 1. b 2. a 3. d 4. c

(B) Because ponds have still water, so the eggs will not move away.

2 (A) 1. noon. 2. 24
3. atmosphere.
4. oil products.

(B) Because we are moving with the same speed of Earth.

3 (A) 1. Microplastics.
2. Oceans.
3. Magnetism.
4. Planetarium directors.

(B) 1. gravity
2. A , B and C.

Model Exam 15

1 (A) 1. d 2. b 3. b 4. c

(B) Due to the presence of atmosphere that allows some light waves to pass to Earth and it blocks others.

2 (A) 1. (✓) 2. (✗) 3. (✓) 4. (✗)

(B) The litter of the trash dump will be blown into the water of tributary then into the river causing water pollution.

3 (A) 1. Gulfs (all items contain fresh water, while gulfs contain salt water).
2. Nile River (all items are saltwater sources, while Nile River is a freshwater source).
3. Shadow (all items are moon phases, while shadow happens due to rotation of Earth on its axis).
4. Gibbous (all items are tools used to observe the space, while gibbous is a moon phase).

(B) 1. Atmosphere – biosphere.
2. Biosphere – geosphere.

Model (1)

15 Marks

1 (A) Choose the correct answer:

1. Which system contains the air that surrounds the planet? ....
   a) Hydrosphere   b) Biosphere   c) Atmosphere   d) Geosphere
2. All the following are consequences of the Earth's rotation around its axis except ....
   a) the cycle of day and night   b) shadow movement throughout the day
   c) the Sun appears to move across the sky   d) the cycle of four seasons
3. When the distance between two objects increases, the gravity force between them ....
   a) decreases   b) increases   c) doubles   d) is not affected
4. The water of .... is a still body of water, where insects lay their eggs.
   a) seas   b) rivers   c) ponds   d) oceans

(B) Give a reason for:

- Why is water an important source?

....

2 (A) Complete the following sentences using the words between brackets:

1. Plants are considered .... sources of energy. (renewable – non-renewable)
2. .... is the force that exists between the surfaces of two bodies in contact and slows down their motion. (Gravity – Friction)
3. Shadow angle .... during the day. (remains constant – changes)
4. From the freshwater sources on Earth are .... (rivers – oceans)

(B) What happens when ...?

- Earth didn't rotate around its axis.

....

3 (A) Write the scientific term for each of the following:

1. It is a region with a similar climate, plants, and animals. (....................)
2. Water bodies which are formed when the water of rivers meets oceans and seas. (....................)
3. A group of stars that forms a pattern in the sky. (....................)
4. An invisible force that pulls objects down to the Earth. (....................)

(B) When two objects fall, one is heavy and the other is light, from a high place with no air resistance, **which reaches the ground first?**

....

Model (2)

15 Marks

1 (A) Choose the correct answer:

1. .... is the main habitat for many organisms such as algae and fish.
   a) Hydrosphere b) Biosphere c) Atmosphere d) Geosphere
2. Water bodies usually formed around continents are ....
   a) rivers b) lakes c) estuaries d) oceans
3. In the absence of air resistance when a piece of paper and a ball drop from your hands ....
   a) the ball reaches the ground first
   b) the piece of paper reaches the ground first
   c) both the ball and the piece of paper arrive together at the same time
   d) the speed of each one varies
4. Absorbing nutrients from the soil by plants' roots is an example of interaction between ....
   a) hydrosphere and geosphere
   b) geosphere and biosphere
   c) biosphere and atmosphere
   d) hydrosphere and atmosphere

(B) Give a reason for:

- The sequence of day and night.

....

2 (A) Complete the following sentences using the words between brackets:

1. There's a lot of water on the Earth's surface, so the planet looks like a .... marble from space. (blue – white)
2. Water covers ....% of the Earth's surface. (71 – 97)
3. Gravitational force is considered a/an .... force. (visible – invisible)
4. The spin of an object around itself represents .... (rotation – revolution)

(B) Classify the following objects according to the Earth's different systems:

(Trees – Wind – Rock – Ponds – Swamps – Insects – Minerals – Oxygen)

Geosphere	Atmosphere	Biosphere	Hydrosphere
....	....	....	....

3 (A) Correct the underlined words:

1. <u>Air</u> transports nutrients to organism cells. (....................)
2. The Earth has <u>one</u> movements. (....................)
3. Gravity is considered a <u>push</u> down force. (....................)
4. <u>Wetland</u> is formed when water pools in a low-lying area. (....................)

(B) What happens when ...?

- The Sun has no gravity.

....

Model (3)

15 Marks

1 (A) Choose the correct answer:

1. Which of the following can happen if there is no gravity between the Sun and the planets?
   a) Planets remain in a constant revolution in their orbits.
   b) Planets move in space randomly.
   c) Planets stop moving and become static. d) All the previous answers.
2. Which of the following does not belong to the Earth's biosphere? ....
   a) Plants b) Animals c) Rivers d) Trees
3. The stars farther than the Sun appear to us ....
   a) bigger b) brighter c) less bright d) (a) and (b)
4. A watershed is an area where water ....
   a) runs in the same country b) has the same temperature
   c) has the same speed and direction d) flows into a common water body

(B) Give a reason for:

- The planets revolve around the Sun.

....

2 (A) Complete the following sentences:

1. .... are the largest body of salt water, which covers large areas of the Earth's surface.
2. Fresh water occupies about .... of the Earth's water surface.
3. .... contains a mixture of salt and fresh water.
4. The tides phenomenon is caused by gravitational force between the Earth and the ....

(B) What happens when ...?

- The Earth's mass is doubled.

....

3 (A) Put (✓) or (✗) in front of each sentence:

1. Not all water sources are suitable for use as drinking water. ( )
2. Magnetic forces are only pulling forces. ( )
3. Day and night occur due to the Earth rotating on its axis every 365 days. ( )
4. Gravity between two objects depends only on their masses. ( )

(B) Give an example illustrating how the biosphere and hydrosphere interact.

....

Model (4)

15 Marks

1 (A) Choose the correct answer:

1. All states of water on Earth belong to the ....
   a) hydrosphere b) biosphere c) atmosphere d) geosphere
2. Which of the following causes increased gravitational force?
   a) Decreasing the body's mass.
   b) Increasing the distance between two objects.
   c) Decreasing the distance between two objects.
   d) Changing the body's shape.
3. .... is/are formed when water collects in a low area.
   a) Wetlands b) Rivers c) Lakes d) Groundwater
4. The Earth revolves around .... once every 365 days.
   a) the Moon b) its axis c) the Sun d) the polar star

(B) Give a reason for:

- Insects lay their eggs in ponds.

....

2 (A) Complete the following sentences:

1. The sequence of .... occurs as a result of the rotation of Earth.
2. Earth's gravity is .... than that of the moon.
3. The Earth consists of .... main systems.
4. The planets orbit the Sun in a/an .... orbit.

(B) What happens when ...?

- The water of wells is used faster than it can be replaced by rainwater.

....

3 (A) Write the scientific term for each of the following:

1. Water is stored below Earth's surface in soil and rock layers. (........................)
2. The system that contains plants and animals. (........................)
3. An imaginary line that an object spins or revolves around. (........................)
4. A kind of force that attracts magnetic materials to the magnet. (........................)

(B) What is the reason for the phenomenon of tides?

....

Model (5)

15 Marks

1 (A) Choose the correct answer:

1. The length and size of the shadow vary depending on the .... location.
   a) Earth b) moon c) Sun d) stars
2. Select the statement that most correctly describes gravity.
   a) Gravity exists only on Earth.
   b) Gravity pulls objects.
   c) Gravity happens only when two objects touch.
   d) Gravity affects only one object.
3. If the Earth faces the Sun, the Earth is in ....
   a) night b) dark c) day d) winter
4. River water can be used for ....
   a) generating electricity b) transportation
   c) drinking d) All the previous answers

(B) Give a reason for:

- Water is a renewable energy source.

....

2 (A) Match from column (B) what suits in column (A):

(A)	(B)
1. Biosphere	a) mixes fresh water and salt water.
2. Motion of the moon around the Earth is	b) includes organisms such as plants and animals.
3. Estuary	c) includes gravel, sand, and rock.
4. Geosphere	d) rotation.
	e) revolution.

1. .... 2. .... 3. .... 4. ....

(B) What happens when ...?

- The distance between two objects increases relative to the gravitational force between them.

....

3 (A) Put (✓) or (✗) in front of each sentence:

1. All organisms need water to survive. ( )
2. The gravity of the moon is greater than that of the Earth. ( )
3. Because the Earth revolves around its axis, half of the Earth faces the Sun at night. ( )
4. Constellation helps us to know the cardinal directions. ( )

(B) How is the delta formed?

....

Model (1) Answers

15 Marks

1 (A) Choose the correct answer:

1. Which system contains the air that surrounds the planet? ....
   a) Hydrosphere b) Biosphere c) Atmosphere d) Geosphere
2. All the following are consequences of the Earth's rotation around its axis except ....
   a) the cycle of day and night b) shadow movement throughout the day
   c) the Sun appears to move across the sky d) the cycle of four seasons
3. When the distance between two objects increases, the gravity force between them ....
   a) decreases b) increases c) doubles d) is not affected
4. The water of .... is a still body of water, where insects lay their eggs.
   a) seas b) rivers c) ponds d) oceans

(B) Give a reason for:

- Why is water an important source?

Because we use it in drinking water, irrigation, agriculture, industry, and electricity generation.

2 (A) Complete the following sentences using the words between brackets:

1. Plants are considered .... sources of energy. (renewable – non-renewable)
2. .... is the force that exists between the surfaces of two bodies in contact and slows down their motion. (Gravity – Friction)
3. Shadow angle .... during the day. (remains constant – changes)
4. From the freshwater sources on Earth are .... (rivers – oceans)

(B) What happens when ...?

- Earth didn't rotate around its axis.

Half of the earth will be permanently day, while the other half will be permanently night.

3 (A) Write the scientific term for each of the following:

1. It is a region with a similar climate, plants, and animals. (Biome)
2. Water bodies which are formed when the water of rivers meets oceans and seas. (Estuaries)
3. A group of stars that forms a pattern in the sky. (Constellation)
4. An invisible force that pulls objects down to the Earth. (Gravity)

(B) When two objects fall, one is heavy and the other is light, from a high place with no air resistance, **which reaches the ground first?**

.... The two objects arrive together. ....

Model (2) Answers

15 Marks

1 (A) Choose the correct answer:

1. .... is the main habitat for many organisms such as algae and fish.
   a) Hydrosphere b) Biosphere c) Atmosphere d) Geosphere
2. Water bodies usually formed around continents are ....
   a) rivers b) lakes c) estuaries d) oceans
3. In the absence of air resistance when a piece of paper and a ball drop from your hands ....
   a) the ball reaches the ground first b) the piece of paper reaches the ground first
   c) both the ball and the piece of paper arrive together at the same time
   d) the speed of each one varies
4. Absorbing nutrients from the soil by plants' roots is an example of interaction between ....
   a) hydrosphere and geosphere b) geosphere and biosphere
   c) biosphere and atmosphere d) hydrosphere and atmosphere

(B) Give a reason for:

- The sequence of day and night.

.... Due to the Earth's rotation around its axis. ....

2 (A) Complete the following sentences using the words between brackets:

1. There's a lot of water on the Earth's surface, so the planet looks like a .... marble from space. (blue – white)
2. Water covers ....% of the Earth's surface. (71 – 97)
3. Gravitational force is considered a/an .... force. (visible – invisible)
4. The spin of an object around itself represents .... (rotation – revolution)

(B) Classify the following objects according to the Earth's different systems:

(Trees – Wind – Rock – Ponds – Swamps – Insects – Minerals – Oxygen)

Geosphere	Atmosphere	Biosphere	Hydrosphere
Rock – Minerals	Wind – Oxygen	Trees – Insects	Ponds – Swamps

3 (A) Correct the underlined words:

1. Air transports nutrients to organism cells. (Water)
2. The Earth has one movements. (two)
3. Gravity is considered a push down force. (pull)
4. Wetland is formed when water pools in a low-lying area. (Lake)

(B) What happens when ...?

- The Sun has no gravity.

.... The planets will swim randomly in the space. ....

Model (3) Answers

15 Marks

1 (A) Choose the correct answer:

1. Which of the following can happen if there is no gravity between the Sun and the planets?
   a) Planets remain in a constant revolution in their orbits.
   b) Planets move in space randomly.
   c) Planets stop moving and become static. d) All the previous answers.
2. Which of the following does not belong to the Earth's biosphere? ....
   a) Plants b) Animals c) Rivers d) Trees
3. The stars farther than the Sun appear to us ....
   a) bigger b) brighter c) less bright d) (a) and (b)
4. A watershed is an area where water ....
   a) runs in the same country b) has the same temperature
   c) has the same speed and direction d) flows into a common water body

(B) Give a reason for:

- The planets revolve around the Sun.

.... Due to the Sun's gravitational force. ....

2 (A) Complete the following sentences:

1. Oceans are the largest body of salt water, which covers large areas of the Earth's surface.
2. Fresh water occupies about 3% of the Earth's water surface.
3. Estuary contains a mixture of salt and fresh water.
4. The tides phenomenon is caused by gravitational force between the Earth and the moon.

(B) What happens when ...?

- The Earth's mass is doubled.

.... The Earth's gravity will double. ....

3 (A) Put (✓) or (✗) in front of each sentence:

1. Not all water sources are suitable for use as drinking water. (✓)
2. Magnetic forces are only pulling forces. (✗)
3. Day and night occur due to the Earth rotating on its axis every 365 days. (✗)
4. Gravity between two objects depends only on their masses. (✗)

(B) Give an example illustrating how the biosphere and hydrosphere interact.

.... Rain waters the plants, which helps them to grow. ....

Model (4) Answers

15 Marks

1 (A) Choose the correct answer:

1. All states of water on Earth belong to the ....
   a) hydrosphere b) biosphere c) atmosphere d) geosphere
2. Which of the following causes increased gravitational force?
   a) Decreasing the body's mass.
   b) Increasing the distance between two objects.
   c) Decreasing the distance between two objects.
   d) Changing the body's shape.
3. .... is/are formed when water collects in a low area.
   a) Wetlands b) Rivers c) Lakes d) Groundwater
4. The Earth revolves around .... once every 365 days.
   a) the Moon b) its axis c) the Sun d) the polar star

(B) Give a reason for:

- Insects lay their eggs in ponds.

.... Because the water in the ponds is still water, which helps the eggs not move .... or move anywhere. ....

2 (A) Complete the following sentences:

1. The sequence of day and night occurs as a result of the rotation of Earth.
2. Earth's gravity is more than that of the moon.
3. The Earth consists of four main systems.
4. The planets orbit the Sun in a/an elliptical orbit.

(B) What happens when ...?

- The water of wells is used faster than it can be replaced by rainwater.

.... These wells will dry up. ....

3 (A) Write the scientific term for each of the following:

1. Water is stored below Earth's surface in soil and rock layers. (Groundwater)
2. The system that contains plants and animals. (Biosphere)
3. An imaginary line that an object spins or revolves around. (Earth's axis)
4. A kind of force that attracts magnetic materials to the magnet. (Magnetism)

(B) What is the reason for the phenomenon of tides?

.... The moon's gravitational force. ....

Model (5) Answers
15 Marks

1 (A) Choose the correct answer:

1. The length and size of the shadow vary depending on the .... location.
   a) Earth b) moon c) Sun d) stars
2. Select the statement that most correctly describes gravity.
   a) Gravity exists only on Earth.
   b) Gravity pulls objects.
   c) Gravity happens only when two objects touch.
   d) Gravity affects only one object.
3. If the Earth faces the Sun, the Earth is in ....
   a) night b) dark c) day d) winter
4. River water can be used for ....
   a) generating electricity b) transportation
   c) drinking d) All the previous answers

(B) Give a reason for:

- Water is a renewable energy source.

.... Because it can be replaced from one form to another. ....

2 (A) Match from column (B) what suits in column (A):

(A)	(B)
1. Biosphere	a) mixes fresh water and salt water.
2. Motion of the moon around the Earth is	b) includes organisms such as plants and animals.
3. Estuary	c) includes gravel, sand, and rock.
4. Geosphere	d) rotation.
	e) revolution.

1. ....b.......... 2. ....e.......... 3. ....a.......... 4. ....c..........

(B) What happens when ...?

- The distance between two objects increases relative to the gravitational force between them.

.... The gravitational force will decrease. ....

3 (A) Put (✓) or (✗) in front of each sentence:

1. All organisms need water to survive. (✓)
2. The gravity of the moon is greater than that of the Earth. (✗)
3. Because the Earth revolves around its axis, half of the Earth faces the Sun at night. (✗)
4. Constellation helps us to know the cardinal directions. (✓)

(B) How is the delta formed?

.... When the river reaches its endpoint at sea, and deposits sediments. ....

Exam (1)

1 Choose the correct answer:

①If the moon's mass is doubled, ……………….

A. its distance away from Earth is doubled.

b. the moon may collide with Earth.

C. it attracts Earth.

d. it goes away from Earth.

② Catfish can survive in ………….. water environment.

a. salt and still b. fresh and fast

c. salt and current d. fresh and still

③ Estuary is formed when the water of …………… meets the water of ……………

a. a sea – an ocean b. a river – a stream.

c. groundwater – a river d. a stream – an ocean.

④ The group of stars that make a certain shape in the sky is called …….

a. Solar system b. Universe

c. constellation d. ecosystem

⑤A volcano erupts and sends gases into the atmosphere is an example of the interaction between ………………………….

a. hydrosphere and biosphere b. geosphere and biosphere

c. geosphere and hydrosphere d. geosphere and atmosphere

2 Write the scientific term:

1. It can be push or pull an object to make it move. (……………………..)

2. It is the second largest source of fresh water on the Earth. (………………………)

3. It is a tool used to attract metals like cobalt and iron. (………………………)

4. A water body consists of mixture of fresh water and salt water. (………………………)

5. A system that includes all living organisms. (………………………)

❸ True or False

1. All living organisms need water to stay alive. ( )
2. Glaciers are the largest sources of salt water. ( )
3. Earth is the fastest planet rotate around its axis. ( )
4. Water is not only regulating body temperature, but also using in manufacturing. ( )
5. Golden fox blends in with the golden sand in the desert, this is an example of the interaction between biosphere and atmosphere. ( )
6. As the distance between two objects increase, the force of gravity increase. ( )
7. The air that plants need moves into leaves through tiny openings represents the interaction between biosphere and atmosphere. ( )

❹ Answer the following questions:

① **Mention three uses of water.**

……………………………………………………………………………………………

……………………………………………………………………………………………

② **Mention two examples of the effect of gravity.**

……………………………………………………………………………………………

……………………………………………………………………………………………

③ **Give a reason: Sun appears so bright in the sky.**

……………………………………………………………………………………………

……………………………………………………………………………………………

❺ Complete the following sentences by using words below:

(filtered water – three quarters – Air resistance – sun – stars -– polluted water)

1. …………… decreases the speed of parachute during landing.
2. The constellation consists of a group of ……………
3. Water covers nearly ………… of the Earth planet.
4. The water that comes from water filter is …………………
5. Gravity force of ………… helps planets to move in fixed orbits.

Exam (2)

1 Choose the correct answer:

1. Which water body will form when salty water collects in low-lying area?

a. Pond b. Stream
c. Groundwater d. Salt Lake

2. All the following organisms can be found in oceans, except …………

a. Trout b. Starfish c. Flounder fish d. Dolphin

3. Parachute helps in …………..

a. increasing the velocity of object falling to the ground.
b. slowing down the velocity of object falling to the ground.
c. decreasing the air resistance against the falling object.
d. increasing the drag of object in the direction of gravity.

4. The cycle (succession) of day and night is due to ……………

a. revolution of the moon around the Earth.
b. revolution of the Earth around the Sun.
c. rotation of the moon on its axis.
d. rotation of the Earth on its axis.

5. Coral reefs live in …………… of aquatic ecosystem.

a. frozen area b. abyssal zone
c. fresh water d. shallow area

6. Which two factors are responsible for the sun appearing to travel in different directions or paths at slightly different speeds throughout the year.

a. Orbit and rotation b. orbit and tilt
c. rotation and gravity d. orbit and gravity

2 Write the scientific term:

1. The law which states that the force of gravity is constant and acts on all objects in the same way. (……………………….)

2. A triangular-shaped area of mud and other sediments that forms when a river meets a sea. (……………………….)

3. A scientist who stated that the Earth revolves around the sun. (……………………….)

4.The system of Earth which contains volcanos and Earthquakes. (……………………….)

5. They are giant spheres of superhot gases most of them are hydrogen and helium. (……………………….)

❸ True or False

1. Turning off the water tap, while washing your face is from the ways to conserve water. ( )
2. Planets in solar system revolve in fixed orbits due to the gravity between sun and planets. ( )
3. In the early morning, the sun would be above you in the center of the sky. ( )
4. There is only one type of aquatic ecosystems known as saltwater ecosystems. ( )

❹ Answer the following questions:

① **Give a reason sun and stars appear to move in sky.**

…………………………………………………………………………………………

…………………………………………………………………………………………

② **What will happen if the mass of an object becomes twice. (According to gravity force).**

…………………………………………………………………………………………

…………………………………………………………………………………………

❺ Complete the following sentences:

1. Location of …………. In the sky during the year, helps us to determine …………… of Earth.
2. Water that covers most of the Earth's surface is ……………….
3. Big objects have ………… gravity than small objects.
4. Some humans activities may cause water …………, that leads to drought or flooding of water bodies.
5. Abyssal zone in the ocean is a dark area as …………. can't reach it.

Exam (3)

1 Choose the correct answer:

1. All the following are characteristics of abyssal zone, except …………

a. they are very deep areas. b. sunlight cannot reach it.

c. they are dark areas. d. they are shallow areas.

2. Planets of solar system revolve in fixed orbits under the effect of gravity of …………

a. Earth b. Sun c. Moon d. Jupiter

3. Stars' illumination and shinning in the sky is considered an evidence that ……..

a. they are composed of extremely hot gases.

b. they are under the effect of Sun gravity.

c. they are belong to our solar system.

d. they are from the followers of the sun.

4. Delta is formed when …………………

a. the speed of water increases.

b. the speed of water decreases.

c. the amount of river's water decreases.

d. the river's water dry up.

5. Formation of lake is an example of an interaction between ………… and ………. .

a. biosphere – hydrosphere b. atmosphere - biosphere

c. hydrosphere – geosphere d. hydrosphere - atmosphere

2 Write the scientific term:

1. The area along coastal that disappears at high tide and appears at low tide.

(……………………….)

2. **The water that is store** in cracks and spaces between underground rocks

(……………………….)

3. A scientist who explained how sun converts matter into different forms of energy.

(……………………….)

4. **The fastest planet rotates on its axis in solar system.**

(……………………….)

5. It is a force of attraction or repulsion between two magnets.

(……………………….)

3 True or False

1. Gravity is affected by the mass of an object. (   )
2. You must increase the time of taking your shower to waste water. (   )
3. Constellation can be seen or unseen in some places. (   )
4. Air resistance increases the speed of parachutes. (   )

4 Answer the following questions:

① **Give a reason deltas are formed at the river's end.**

....

....

② **What will happen animals that live in lakes if they dry up.**

....

....

5 Complete the following sentences:

1. The water movement of streams is ……………… while the type of water of ponds is …………….
2. Water filters are used to remove ……… Materials from polluted water.
3. Jupiter has ………… gravity than Earth.
4. Water is used at Upper Egypt for ……………. while in Aswan High Dam used for ……………..
5. Shallow areas contain …………. and ……………..

Exam (4)

1 Choose the correct answer:

1. The appearance of constellation Orion in the sky is an evidence of ……..

a. rotation of Earth on its axis and around the sun.

b. constellation of stars in the sky is geometrical figures.

c. rotation of the moon around its axis and around the sun.

d. apparent motion of the sun due to the rotation of Earth on its axis.

2. Groundwater is present under Earth's surface in rock and soil pores. This is an interaction between ....

a. hydrosphere and biosphere b. geosphere and biosphere

c. geosphere and hydrosphere d. atmosphere and geosphere

3. The force that affecting the moon to orbit the Earth is ....

a. Earth gravity
b. Sun gravity
c. Moon gravity
d. Earth magnetism

4. Among the kinds of wetlands are ....

a. swamps and lakes.
b. marshes and bogs.
c. ponds and oceans.
d. swamps and estuaries.

5. .... and .... solid landforms are formed due to the movement of river.

a. Valley – Estuary
b. Valley – Pond
c. Delta – Estuary
d. Valley – Delta

2 Write the scientific term:

1. The frozen water part of the hydrosphere. (.....................)
2. An area of land where all the water flows to a common location usually an ocean, a sea or other large water body. (.....................)
3. A zone that located in the deep area of ocean. (.....................)
4. The force that attracts paper clips to the magnet. (.....................)

3 True or False

1. All water bodies on Earth contain fresh water, so we have unlimited amount of fresh water.
2. Friction force opposes the movement of an object.
3. Albert Einstein explained how the sun converts matter directly into energy.
4. Scarcity and poor quality of fresh water are two main risks that threaten freshwater species.
5. Magnet has an invisible force called magnetism.
6. Planets revolve around the Sun in fixed orbits due to the effect of gravity.

4 Answer the following questions:

A. Gravity is a very important force in the solar system. Write the solar system objects listed in the word bank in order from least to most gravity across the four columns.

Sun - The moon - Jupiter - Earth

Least amount of gravity					Greatest amount of gravity

Exam (5)

1 Choose the correct answer:

1. Water that covers most of the Earth's surface is …………

a. fresh water in rivers. b. salty water in seas and oceans.

c. fresh water in glaciers. d. fresh water in groundwater.

2. The biosphere includes …………………..

a. All water bodies on, under, and above Earth.

b. All molten rocks exist inside the Earth core.

c. All living organisms such as plants, and animals.

d. All gases such as oxygen gas and carbon dioxide gases

3. A force that created between two attached surfaces leading to slow movement is called ……….. force.

a. pushing b. dragging c. friction d. pulling

4. If the gravity between the sun and planets of solar system is vanished, this will lead to ……………….

a. planets will move directly towards the Sun.

b. planets will attract to each other.

c. planets will float into space.

d. planets will explode under the effect of their gravities.

5. Constellation appear ………….. in the sky during the year.

a. at different positions b. at the same position

c. in winter only d. in summer only.

2 Write the scientific term:

1. Areas of the ocean which contain abyssal zones and sunlight can't reach to it. (……………………..)
2. A cycle shows the continuous movement of water from the Earth to the atmosphere then to to the Earth again. (……………………..)
3. The water body that is formed when a river meets a sea. (……………………..)
4. The force that pulls all objects on Earth toward its center. (……………………..)
5. A celestial body exists in the solar system and responsible for holding all planets and more than 200 moons. (……………………..)
6. The change of an object position when force acts on it. (……………………..)

❸ True or False

1. Both catfish and dolphin adapt in streams. (   )
2. Magnetism is a force that attracts metal objects by pulling on them. (   )
3. The sun is the biggest star in the universe. (   )
4. About three quarter of the Earth's surface is covered with mountains. (   )
5. Air resistance force acts in the opposite direction of gravity force. (   )

❹ Answer the following questions:

1. What happens to the shadow of an object if the sun locates at east or west in the sky.

……………………………………………………………………………………

……………………………………………………………………………………

2. Give a reason Atmosphere limits the using of some telescopes to see distant celestial bodies.

……………………………………………………………………………………

……………………………………………………………………………………

❺ Complete the following sentences:

1. The direction of Earth's gravity is always toward ………… of Earth.
2. The force that opposes the movement of objects as they pass through air is called ………………
3. Insects lay their eggs in systems that are found in …………
4. Cotton balls, ………. and ………. are used in making a simple water filter.
5. The amount of fresh water on Earth is ………… than the amount of salt water.

Exam (6)

1 Choose the correct answer:

1. **A volcano erupts and sends gases into the atmosphere is an example of the interaction between ……………………….**

a. hydrosphere and biosphere
b. geosphere and biosphere
c. geosphere and hydrosphere
d. geosphere and atmosphere

2. When water evaporates from lakes, this means that …………….

a. water goes from hydrosphere to biosphere.
b. water goes from geosphere to hydrosphere.
c. water goes from hydrosphere to geosphere.
d. water goes from hydrosphere to atmosphere

3. If there is no air resistance on Earth and we drop an iron cube and wooden cube at the same time from the same height, they will……….

a. reach the floor at the same moment.
b. reach the floor at different time.
c. be affected by magnetic force during falling.
d. move upward against gravity force.

4. Which sentence is correct about the revolution of planets around the sun?

a. All planets have less mass than the sun.
b. All planets revolve in a fixed orbit due to the gravity force.
c. All planets revolve at the same speed.
d. (a) and (b)

5. ……….is a factor that acts against gravity force.

a. Magnetism
b. Mass of an object
c. Air resistance
d. Shape of an object

2 True or False

1. All constellation can be seen in the sky every day along the year.
2. There is an estuary between Nile River and Mediterranean Sea.
3. All objects are pulled toward the ground due to the effect of gravity.
4. Non-contact force is the force between two objects that touch each other.

3 Answer the following:

1. Mention 2 water bodies might contain fresh water or salt water.

a. …………….. b. ……………...

2. What is the importance of telescopes?

…………………………………………………………………………………………

…………………………………………………………………………………………

❹ Match the following:

(A)	(B)
1. Earth's gravity	a. It is an area of land where water from different sources flows towards a common location such as seas.
2. Filtered water	b. Hydrosphere includes …
3. Watershed	c. It pulls objects with less mass toward its center.
4. Constellation Orion	d. It is the most famous constellation that ancient Greeks gave name relative to mythical hunter.
5. Saltwater and freshwater ecosystems	e. It is water that produced by removing harmful materials from polluted water.

1. ……….. 2. ………. 3. ……… 4. ……….. 5. ……………

❺ Complete the following sentences:

1. Planets and ……….. can't make their own light.
2. The direction of …….. force opposes the direction of a body moves through air.
3. People use constellation to determine ……………. of Earth.
4. Water runs across the land is an example of an interaction between hydrosphere and ……………
5. According to water movement, ponds have ………… compared to oceans that have ……………. water in the form of ………..

❻ Write the scientific term for each statement:

1. The phenomenon that occurs due to the gravity and movement of the moon. (…………………….)
2. The phenomenon that occurs due to Earth's rotation on its axis. (…………………….)
3. A celestial body revolves around the sun in fixed orbits. (…………………….)

Exam (7)

1 Choose the correct answer:

1. **Where can parts of the hydrosphere and biosphere be found?**

a. Only in remote places b. Only in the ocean
c. everywhere in the world d. Only in the rain forest

2. When the dead bodies decompose and nutrients return into soil, this is an interaction between ....

a. biosphere and hydrosphere. b. biosphere and atmosphere
c. geosphere and atmosphere d. geosphere and biosphere

3. What is the effect of air resistance on the speed of an object when it falls downward due to gravity?

a. Air resistance speeds up the object as it falls.
b. Air resistance doesn't affect the speed of an object as it falls.
c. Air resistance slows an object as it falls.
d. Air resistance changes the direction of an object as it falls.

4. Which statement is correct about force?

a. Forces can be contact or non-contact.
b. Magnetic force always attract all objects to magnet.
c. Forces can be visible or invisible.
d. (a) and (c)

3 True or False

1. Our solar system contains sun and eight planets. ( )
2. In early morning, the sun would be above you in the center of the sky. ( )
3. A river always flow from an area of low place to an area with higher place. ( )
4. All objects on Earth's surface are affected by gravity force which pulls objects downward. ( )
5. If there is no air resistance on Earth, all objects will reach the Earth's surface at the same moment when dropping them from the same height. ( )

❹ Answer the following questions:

1. What happens when Earth stop orbiting around the Sun.

…………………………………………………………………………………

…………………………………………………………………………………

2. Give a reason we should take a quick shower.

…………………………………………………………………………………

…………………………………………………………………………………

3. Mention 2 examples of technology that help scientists study the distant celestial bodies.

A. …………………….. b. ………………………

❺ Complete the following sentences:

1. When the mass of Earth ………….. its attraction force increases.
2. Water ……….. and ………. are threats of species that live in river.
3. A rat that digs a barrow in the soil is an example of the interaction between ………… and …………..
4. Magnetism is a force that attracts ………… objects.
5. The force that slows down the movement of objects across solids, liquids or gases is called ……………

❻ Match the following:

1. Marshes	a. It is a tool used for removing wastes from polluted water.
2. Mountains	b. It is an invention designed for observing the celestial bodies.
3. Telescope	c. They are located on the ocean's floor
4. Magnet	d. They are forms of wetland bodies.
5. Water filter	e. It is a tool used for attracting metals

1. ……………. 2. ………… 3. ………… 4. ………… 5. ……………

Exam (8)

1 Choose the correct answer:

1. A group of plants and animals which line together in a large area characterized by its climate called ………………

a. atmosphere b. hydrosphere
c. biome d. geosphere

2. All of the following are characteristics of abyssal zone, except……..

a. they are very deep areas. b. sunlight can't reach it.
c. they are dark areas. d. they are shallow areas.

3. What is the fastest planet rotates on its axis?

a. Mars b. Earth
c. Jupiter d. Mercury

4. Approximately how long does it take Earth to rotate once on its axis?

a. 1 Hour b. 24 hours
c. 365 hours d. 24 hours

5. Biosphere is a system includes ………………………

a. producers only b. consumers only
c. decomposers only d. food webs

3 True or False

1. The solar system has many more stars than all the grains of sand on Earth's beaches.
2. Stars seem to move in the sky due to Earth's revolution around the sun.
3. The spinning of Earth on its axis is called revolution, while the orbiting is called rotation.
4. Air resistance is a type of pulling force.
5. The change of an object position is called force.

4 Answer the following questions:

1. What happens to the state of water when it is exposed to extreme cold weather.

…………………………………………………………………………………………
…………………………………………………………………………………………
…………………………………………………………………………………………

2. Give a reason the ball changes its direction after we throw it upward.

……………………………………………………………………………………

……………………………………………………………………………………

3. Mention plants that live in all the following water bodies:

A. Ocean: ……………. b. Stream: ……………. c. Pond: ……………….

Exam (9)

1 True or False

1. The force of gravity exists between bodies in contact only. (   )
2. The stars we see in each constellation are very close to us. (   )
3. If you change your direction on Earth's surface, the sun will rise from west. (   )
4. The rotation of Earth around the Sun causes day and night phenomenon. (   )
5. Heavier objects reach Earth's surface before smaller objects due to the effect of air resistance which affects their movement. (   )
6. Any objects on Earth's surface is affected by repulsion force of gravity. (   )

2 Choose the correct answer:

1. Watershed is described as a region where all of water in that area …..

a. has the same type of living organisms.

b. control the wind speed and its direction.

c. is in the same country.

d. drains into a common water body such as sea or ocean.

2. If there a repulsion force between these two magnets so, they will move

a. away from each other. b. toward each other

c. to earth's surface. d. to the space

3. In late afternoon, the sun appears in the ………….. direction in the sky.

a. east b. west c. north d. south

4. Mountains and valleys are parts of ……….

a. biosphere b. atmosphere c. geosphere d. atmosphere

5. We can see thousands of ………… in the sky at night that give off heat and light.

a. moons b. stars c. planets d. satellites

❸ Write the scientific term:

1. They are giant celestial bodies consist of superhot gases such as Hydrogen and helium. (……………………)
2. A force attracts some metals toward the magnet. (……………………)
3. A period that planets take to complete one spinning on its axis. (……………………)
4. Water bodies connect each other and surrounded by continents. (……………………)
5. A type of water that found in streams. (……………………)

❹ Match the following:

(A)	(B)
1. Drought and flooding	a. A group of stars form a certain shape.
2.Air resistance	b. A Water body that located between cracks and pores of rocks under Earth.
3. Geosphere	c. Water imbalance is a result of …
4. Constellation	d. Volcanos and Earthquakes represent ……
5.Ground water	e. It is an example of friction force that acts in opposes direction of moving body.

1. …………… 2. ………….. 3. ………… 4. ………… 5. ……………

❺ Answer the following questions:

1. Water can affect living and non-living organisms, Explain.

……………………………………………………………………………………

……………………………………………………………………………………

2. Constellation can be visible and invisible in different seasons.

……………………………………………………………………………………

……………………………………………………………………………………

Exam (10)

1 Choose the correct answer:

1. When you throwing an object up, it …………….

a. returns again to Earth under effect of gravity.
b. floats in space because there is no gravity.
c. suspends in air because its gravity is equal to that of Earth.
d. moves fast towards space.

2. Formation of shadows of objects happens due to ……

a. revolution of earth around the sun.
b. revolution of earth around the moon.
c. appearance of stars as they move in the sky.
d. appearance of the sun as it moves in the sky.

3. The shortest shadow of an object happens …………

a. in the morning b. in afternoon c. at noon d. at night

4. Lengths and angles of shadows of objects are affected by ………

a. the change in the position of the sun in the sky.
b. the distance between Earth and sun.
c. the revolution of Earth around the sun.
d. the revolution of the moon around the Earth.

2 True or False

1. If the moon's mass decreases half, its attraction force increases double. (   )
2. Changing the location of shadows of objects prove that Earth revolves around the sun. (   )
3. Constellations have similar shapes and locations in the sky. (   )
4. Oceans and Seas circulates in pattern is called ocean currents. (   )
4. Some telescopes can't observe the distant celestial bodies because of the presence of atmosphere that acts like a protective layer and blocks their light waves. (   )

3 Write the scientific term:

1. The largest source of fresh water that found in frozen form. (……………………)

2. It's an example of wetland it may contain salt water or fresh water.

(……………………)

3. The water that are produced from removing wastes of polluted water.

(…………………….)

❺ Answer the following questions:

1.Give a reason After the skydivers jump from a plane, they always move toward the Earth's surface.

……………………………………………………………………………………
……………………………………………………………………………………
……………………………………………………………………………………

2. Mention 3 producers survive in the following ecosystems:

a. Ocean:……………. b. Ponds: ……………. c. streams: …………..

3. Give a reason no green plants can survive in the abyssal zones of oceans.

……………………………………………………………………………………
……………………………………………………………………………………

4. Classify the following species in the suitable category:

Kelp- catfish-Mosses - Trout – dolphin – water lily – Moses fish – salamander – star fish – crayfish – frog – leches

Ponds	Streams	Oceans

❺ Complete the following sentences:

1. Glaciers are sources of fresh water which have a …………… state of matter.
2. If the mass of the moon increases than its real mass, its gravitational attracts will …………..
3. Kelp, starfish and Moses fish live in ………. While are considered the largest saltwater ecosystems in the Earth.
4. The earth surrounded by …….. that allows some light waves to pass through it and blocks others.
5. Formation of ………….. of objects due to movement of ………. across the sky.

5ST-Final Revision-Exam(1): Name: ________________[......../15]

Version 1

1. Earth rotates once on its axis every .... hours.

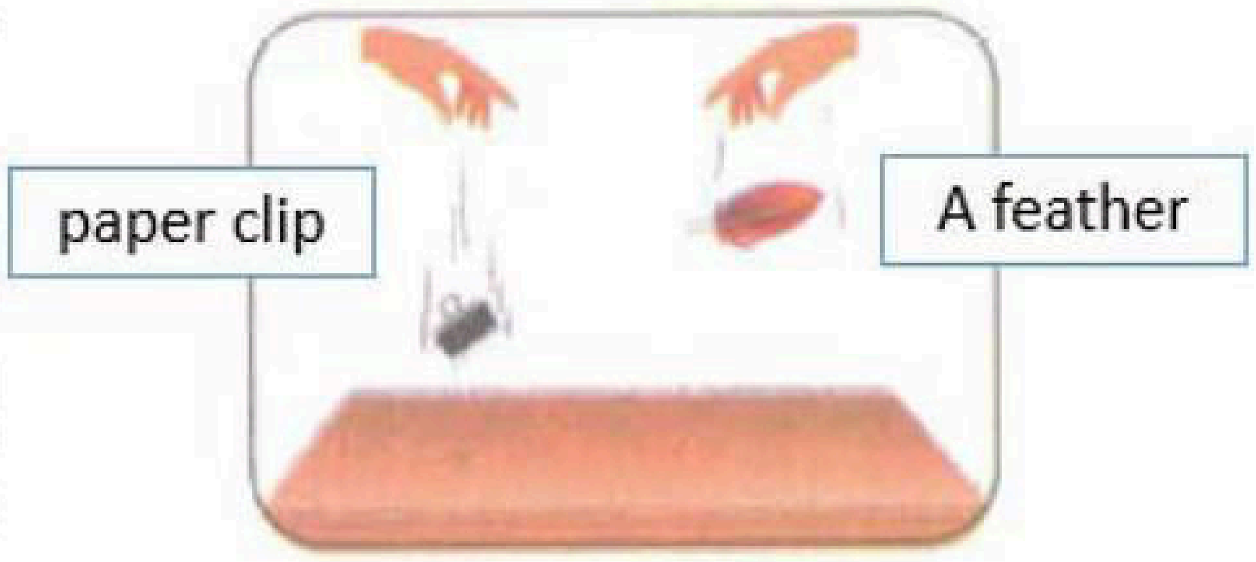
A) 16 B) 12

C) 8 D) 24

2. Write the scientific term:
A type of water which forms 3% of water on Earth.

Answer: ______________________________

3. Look at the opposite figure, then answer the questions:
Which object will reach the ground first? Why?



Answer: ______________________________

4. Write the scientific term:
It's a group of stars and celestial bodies held together by gravity.

Answer: ______________________________

5. Gravity pushes objects towards the center of the Earth.

A) True B) False

6. The suitable ecosystem for lilies is an aquatic .... ecosystem.

A) salty and wavy B) fresh and still

C) salty and still D) fresh and current

7. Write the scientific term:
A triangular-shaped area of mud and other sediments that forms when a river meets a sea.

Answer: ______________________________

8. Write the scientific term:
It's a force that opposes the motion of a body across a solid surface or through a gas or liquid.

Answer: ______________________________

9. Cross out the odd word:

A) rain water
B) Glacier
C) groundwater
D) sea

10. Without the hydrosphere, the biosphere would not exist.

A) True
B) False

11. The magnet attracts paper clips due to ....

A) air resistance
B) gravity
C) friction
D) magnetism

12. Most of fresh water on Earth is found in the form of ....

A) glaciers
B) rivers
C) streams
D) groundwater

13. Write the scientific term:
It's a system that includes all living organisms such as microorganisms, plants. animals and humans.

Answer: ____

14. The cycle of day and night occurs when the Sun rotates around the Earth.

A) True
B) False

5ST-Final Revision-Exam(1): Name: ________________[......../15]

Version 2

1. Write the scientific term:
A type of water which forms 3% of water on Earth.

Answer: ______________________________

2. The magnet attracts paper clips due to ....

A) friction
B) gravity
C) air resistance
D) magnetism

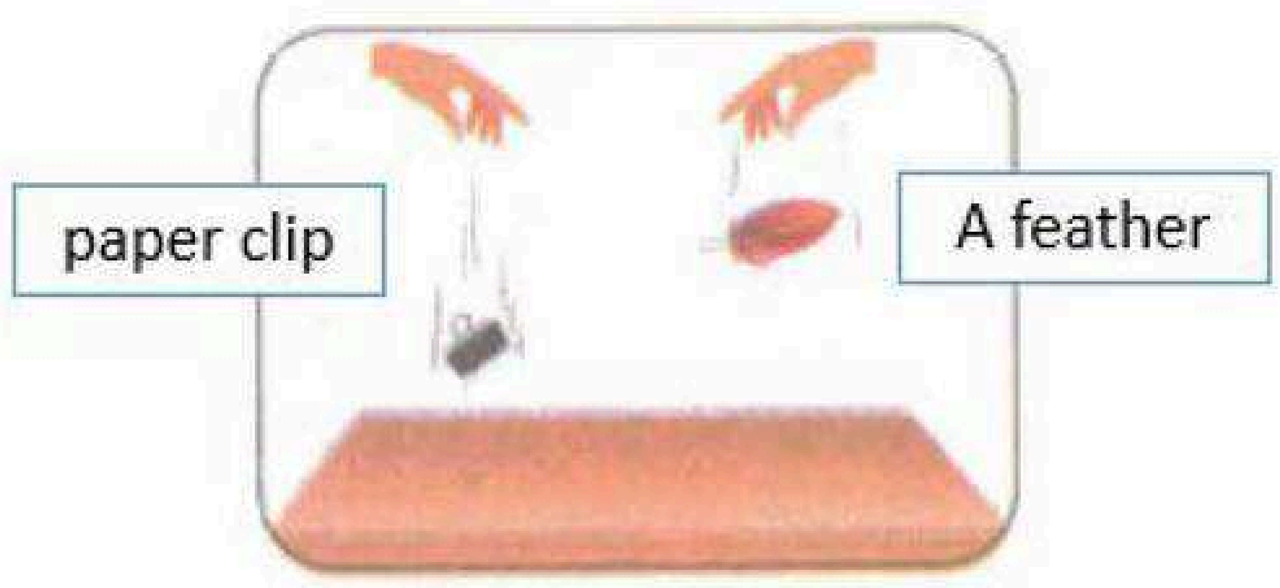
3. Write the scientific term:
A triangular-shaped area of mud and other sediments that forms when a river meets a sea.

Answer: ______________________________

4. Without the hydrosphere, the biosphere would not exist.

A) True
B) False

5. Look at the opposite figure, then answer the questions:
Which object will reach the ground first? Why?



Answer: ______________________________

6. Write the scientific term:
It's a system that includes all living organisms such as microorganisms, plants. animals and humans.

Answer: ______________________________

7. The cycle of day and night occurs when the Sun rotates around the Earth.

A) True
B) False

8. Cross out the odd word:

A) sea
B) rain water
C) groundwater
D) Glacier

9. Gravity pushes objects towards the center of the Earth.

A) True

B) False

10. Write the scientific term:
It's a group of stars and celestial bodies held together by gravity.

Answer: ____________________

11. Earth rotates once on its axis every .... hours.

A) 16

B) 12

C) 8

D) 24

12. The suitable ecosystem for lilies is an aquatic .... ecosystem.

A) salty and wavy

B) salty and still

C) fresh and still

D) fresh and current

13. Most of fresh water on Earth is found in the form of ....

A) rivers

B) glaciers

C) groundwater

D) streams

14. Write the scientific term:
It's a force that opposes the motion of a body across a solid surface or through a gas or liquid.

Answer: ____________________

5ST-Final Revision-Exam(1): Name: _______________[......../15]

Version 3

1. Write the scientific term:
A type of water which forms 3% of water on Earth.

Answer: ______________________________

2. Write the scientific term:
It's a system that includes all living organisms such as microorganisms, plants. animals and humans.

Answer: ______________________________

3. Most of fresh water on Earth is found in the form of ....

A) glaciers
B) groundwater
C) streams
D) rivers

4. The magnet attracts paper clips due to ....

A) air resistance
B) gravity
C) friction
D) magnetism

5. Without the hydrosphere, the biosphere would not exist.

A) True
B) False

6. Write the scientific term:
A triangular-shaped area of mud and other sediments that forms when a river meets a sea.

Answer: ______________________________

7. The cycle of day and night occurs when the Sun rotates around the Earth.

A) True
B) False

8. Write the scientific term:
It's a force that opposes the motion of a body across a solid surface or through a gas or liquid.

Answer: ______________________________

9. Gravity pushes objects towards the center of the Earth.

A) True
B) False

10. The suitable ecosystem for lilies is an aquatic .... ecosystem.

A) fresh and current
B) salty and still
C) fresh and still
D) salty and wavy

11. Cross out the odd word:

A) Glacier
B) groundwater
C) rain water
D) sea

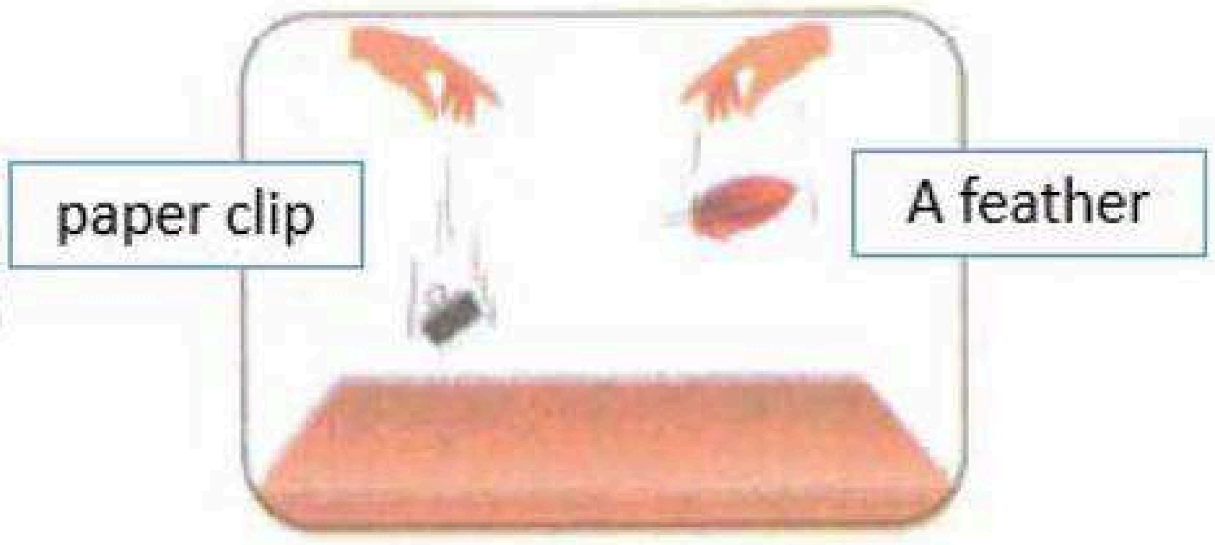
12. Earth rotates once on its axis every .... hours.

A) 8
B) 12
C) 16
D) 24

13. Write the scientific term:
It's a group of stars and celestial bodies held together by gravity.

Answer: ______________________________

14. Look at the opposite figure, then answer the questions:
Which object will reach the ground first? Why?



Answer: ______________________________

5ST-Final Revision-Exam(1): Name: ________________[......../15]

Version 4

1. Write the scientific term:
A type of water which forms 3% of water on Earth.

Answer: ____________________

2. Most of fresh water on Earth is found in the form of ....

A) streams
B) glaciers
C) groundwater
D) rivers

3. Without the hydrosphere, the biosphere would not exist.

A) True
B) False

4. Write the scientific term:
A triangular-shaped area of mud and other sediments that forms when a river meets a sea.

Answer: ____________________

5. Write the scientific term:
It's a system that includes all living organisms such as microorganisms, plants. animals and humans.

Answer: ____________________

6. Gravity pushes objects towards the center of the Earth.

A) True
B) False

7. Write the scientific term:
It's a force that opposes the motion of a body across a solid surface or through a gas or liquid.

Answer: ____________________

8. The magnet attracts paper clips due to ....

A) magnetism
B) gravity
C) air resistance
D) friction

9. Cross out the odd word:

A) Glacier
B) rain water
C) sea
D) groundwater

10. Earth rotates once on its axis every .... hours.

A) 16
B) 8
C) 24
D) 12

11. The suitable ecosystem for lilies is an aquatic .... ecosystem.

A) fresh and current
B) salty and still
C) fresh and still
D) salty and wavy

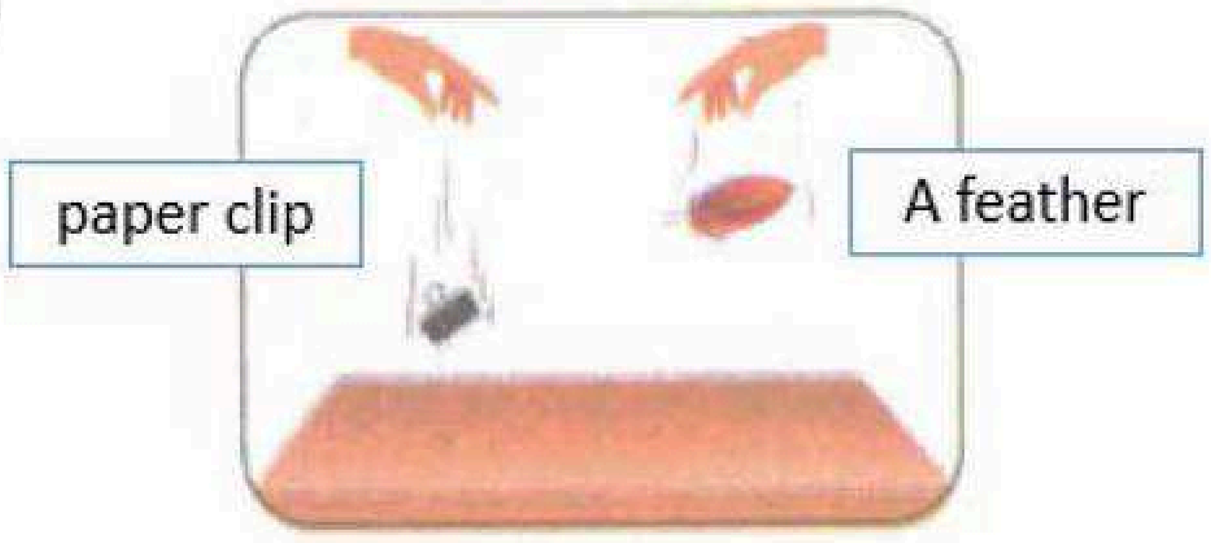
12. The cycle of day and night occurs when the Sun rotates around the Earth.

A) True
B) False

13. Write the scientific term:
It's a group of stars and celestial bodies held together by gravity.

Answer: ______________________________

14. Look at the opposite figure, then answer the questions:
Which object will reach the ground first? Why?



Answer: ______________________________

5ST-Final Revision-Exam(1): Name: _______________[......../15]

Version 5

1. The magnet attracts paper clips due to ....

A) friction B) air resistance

C) gravity D) magnetism

2. Write the scientific term:
A type of water which forms 3% of water on Earth.

Answer: ____________________

3. Cross out the odd word:

A) sea B) groundwater

C) Glacier D) rain water

4. Write the scientific term:
It's a force that opposes the motion of a body across a solid surface or through a gas or liquid.

Answer: ____________________

5. Write the scientific term:
A triangular-shaped area of mud and other sediments that forms when a river meets a sea.

Answer: ____________________

6. Gravity pushes objects towards the center of the Earth.

A) True B) False

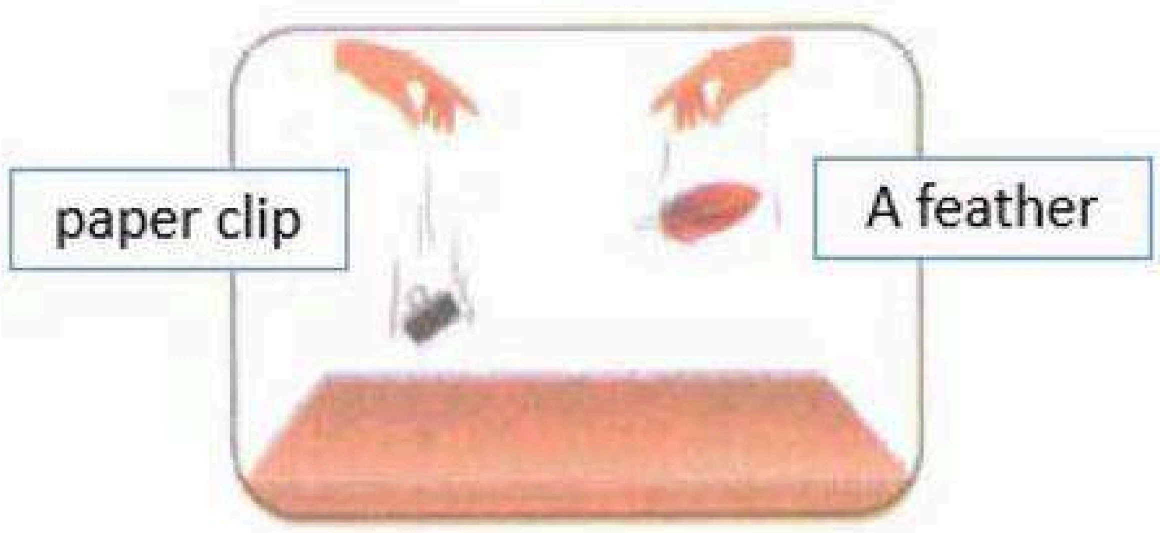
7. Without the hydrosphere, the biosphere would not exist.

A) True B) False

8. Write the scientific term:
It's a group of stars and celestial bodies held together by gravity.

Answer: ____________________

9. Look at the opposite figure, then answer the questions:
Which object will reach the ground first? Why?



Answer: ____________________

10. Most of fresh water on Earth is found in the form of ....

A) glaciers
B) rivers
C) groundwater
D) streams

11. Write the scientific term:
It's a system that includes all living organisms such as microorganisms, plants. animals and humans.

Answer: ____________________

12. The cycle of day and night occurs when the Sun rotates around the Earth.

A) True
B) False

13. The suitable ecosystem for lilies is an aquatic .... ecosystem.

A) salty and still
B) salty and wavy
C) fresh and current
D) fresh and still

14. Earth rotates once on its axis every .... hours.

A) 8
B) 12
C) 24
D) 16

5ST-Final Revision-Exam(1): Name: ________________[......../15]

Version 6

1. Most of fresh water on Earth is found in the form of ....

A) streams
B) rivers
C) glaciers
D) groundwater

2. Cross out the odd word:

A) Glacier
B) rain water
C) sea
D) groundwater

3. The suitable ecosystem for lilies is an aquatic .... ecosystem.

A) fresh and current
B) fresh and still
C) salty and wavy
D) salty and still

4. Earth rotates once on its axis every .... hours.

A) 12
B) 16
C) 8
D) 24

5. Write the scientific term:
A triangular-shaped area of mud and other sediments that forms when a river meets a sea.

Answer: ______________________________

6. Without the hydrosphere, the biosphere would not exist.

A) True
B) False

7. The magnet attracts paper clips due to ....

A) air resistance
B) magnetism
C) gravity
D) friction

8. Write the scientific term:
It's a system that includes all living organisms such as microorganisms, plants. animals and humans.

Answer: ______________________________

9. Write the scientific term:
It's a group of stars and celestial bodies held together by gravity.

Answer: ______________________________

10. Gravity pushes objects towards the center of the Earth.

A) True B) False

11. Write the scientific term:
A type of water which forms 3% of water on Earth.

Answer: ______________________________

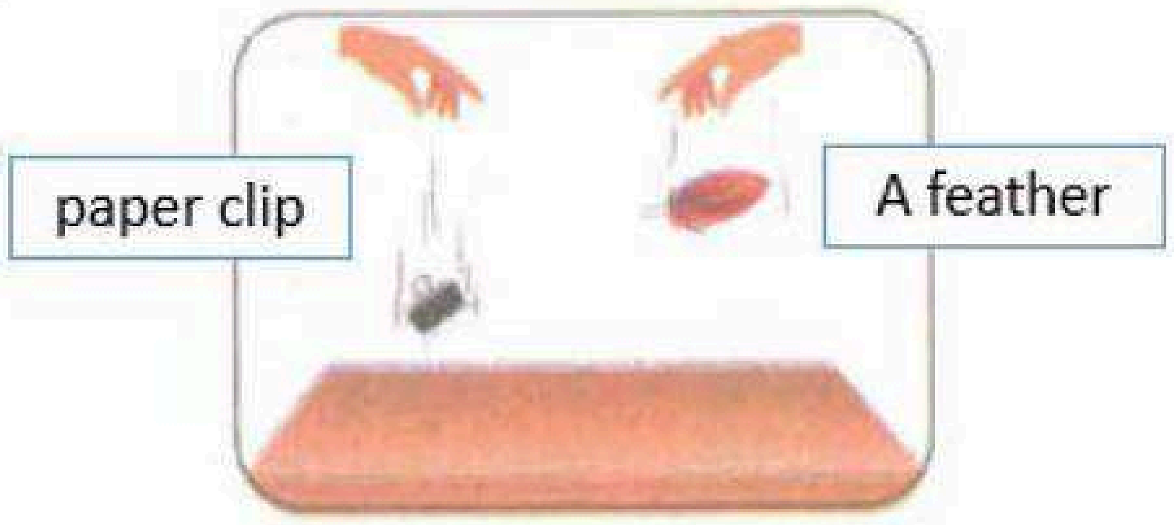
12. Write the scientific term:
It's a force that opposes the motion of a body across a solid surface or through a gas or liquid.

Answer: ______________________________

13. The cycle of day and night occurs when the Sun rotates around the Earth.

A) True B) False

14. Look at the opposite figure, then answer the questions:
Which object will reach the ground first? Why?



Answer: ______________________________

5ST-Final Revision-Exam(2): Name: ______________ [......../15]

Version 1

1. Give a reason for: The length and angle of the shadow are different during the day.

Answer: ______________________________

2. Write the scientific term:
It's a dark celestial body that appears bright at night due to reflection.

Answer: ______________________________

3. Write the scientific term:
An area along the coast that disappears underwater at high tide and appears at low tide.

Answer: ______________________________

4. Water controls the .... of living organisms.

A) temperature B) health C) growth D) all the previous

5. In a watershed, what happens to a body of water upstream also affects what happens to bodies of water downstream.

A) True B) False

6. Complete:
Static objects need .... to move, while .... force hold static objects on the ground.

7. Gravity is an invisible force that pulls objects upward.

A) True B) False

8. Friction force is a type of air resistance

A) True B) False

9. Give a reason for: The astronaut's body floats when he gets out of the Earth.

Answer: ______________________________

10. Match the following items with their descriptions:

[1] ______ Oceans	A) contains an amount of fresh water more than a river or a lake.
[2] ______ Wetlands	B) are formed, when water is collected in a low-lying area.
[3] ______ Lakes	C) Swamps - ponds
[4] ______ Groundwater	D) All of them are connected together.

11. Complete:
Ratio of Earth covered by water .....% ,Saltwater ratio ....% ,Freshwater ratio ......% and Land area ratio ....%

12. There are many fresh aquatic environments in Egypt, such as ....

A) Burullus Lake B) Qarun Lake C) Nile River estuary D) Mediterranean Sea

13. ...., this is an interaction between biosphere and geosphere.

A) Formation of lakes
B) Roots fix plants in the soil
C) Polar bears live on ice
D) Formation of lakes

14. Hydrologists design tools that provide us with clean water.

A) True
B) False

15. Fresh water is represented by rain, some lakes and rivers.

A) True
B) False

16. Complete:
A fast-moving river can create a deep ....

17. Cross out the odd word:

A) Magnetism
B) moon
C) gravity
D) friction force

18. Complete:
Microplastics are formed when plastic waste is broken down into small particles by .... , ... , and ....

19. The Sun at noon would be to your right.

A) True
B) False

20. What happen if: Water leaked into Earth through a layer of porous rock?

Answer: ____________________

21. Downstream is the place where a river starts.

A) True
B) False

22. Complete:
When an opaque object blocks the rays of the Sun, ... is formed.

Answer: ____________________

23. Complete:
.... carry plastic waste materials from land to the oceans.

24. What causes day and night?

A) Rotation
B) Tilt
C) wobble
D) Orbit

25. Write the scientific term:
It's the spinning of an object around an axis.

Answer: ____________________

26. Write the scientific term:
A phenomenon that occurs when the amount of rainfall decreases for a long period.

Answer: ____________________

27. Write the scientific term:
The frozen water part of the hydrosphere.

Answer: ____________________

5ST-Final Revision-Exam(2): Name: ______________ [......../15]

Version 2

1. There are many fresh aquatic environments in Egypt, such as ....

A) Burullus Lake B) Mediterranean Sea C) Nile River estuary D) Qarun Lake

2. Complete:
When an opaque object blocks the rays of the Sun, ... is formed.

3. Complete:
Microplastics are formed when plastic waste is broken down into small particles by .... , ... , and ....

4. Give a reason for: The length and angle of the shadow are different during the day.

Answer: ______________________________

5. Friction force is a type of air resistance

A) True B) False

6. What happen if: Water leaked into Earth through a layer of porous rock?

Answer: ______________________________

7. Hydrologists design tools that provide us with clean water.

A) True B) False

8. Complete:
.... carry plastic waste materials from land to the oceans.

9. Write the scientific term:
An area along the coast that disappears underwater at high tide and appears at low tide.

Answer: ______________________________

10. Fresh water is represented by rain, some lakes and rivers.

A) True B) False

11. Downstream is the place where a river starts.

A) True B) False

12. Write the scientific term:
The frozen water part of the hydrosphere.

Answer: ______________________________

13. Complete:
Static objects need .... to move, while .... force hold static objects on the ground.

14. Gravity is an invisible force that pulls objects upward.

A) True B) False

15. Complete:
A fast-moving river can create a deep ....

16. Cross out the odd word:

A) Magnetism B) friction force C) moon D) gravity

17. The Sun at noon would be to your right.

A) True B) False

18. ...., this is an interaction between biosphere and geosphere.

A) Polar bears live on ice
B) Formation of lakes
C) Formation of lakes
D) Roots fix plants in the soil

19. Write the scientific term:
It's the spinning of an object around an axis.

Answer: ______________________________

20. In a watershed, what happens to a body of water upstream also affects what happens to bodies of water downstream.

A) True B) False

21. What causes day and night?

A) Rotation B) Tilt C) Orbit D) wobble

22. Water controls the .... of living organisms.

A) health B) growth C) temperature D) all the previous

23. Give a reason for: The astronaut's body floats when he gets out of the Earth.

Answer: ______________________________

24. Write the scientific term:
A phenomenon that occurs when the amount of rainfall decreases for a long period.

Answer: ______________________________

25. Match the following items with their descriptions:

[1] ______ Oceans	A) All of them are connected together.
[2] ______ Groundwater	B) Swamps - ponds
[3] ______ Lakes	C) contains an amount of fresh water more than a river or a lake.
[4] ______ Wetlands	D) are formed, when water is collected in a low-lying area.

26. Write the scientific term:
It's a dark celestial body that appears bright at night due to reflection.

Answer: ______________________________

27. Complete:
Ratio of Earth covered by water .....% ,Saltwater ratio ....% ,Freshwater ratio ......% and Land area ratio ....%

5ST-Final Revision-Exam(2): Name: _______________ [......../15]

Version 3

1. Write the scientific term:
An area along the coast that disappears underwater at high tide and appears at low tide.

Answer: ____________________

2. Water controls the .... of living organisms.

A) growth B) health C) temperature D) all the previous

3. Gravity is an invisible force that pulls objects upward.

A) True B) False

4. There are many fresh aquatic environments in Egypt, such as ....

A) Nile River estuary B) Mediterranean Sea C) Qarun Lake D) Burullus Lake

5. Write the scientific term:
It's the spinning of an object around an axis.

Answer: ____________________

6. ...., this is an interaction between biosphere and geosphere.

A) Polar bears live on ice B) Formation of lakes

C) Roots fix plants in the soil D) Formation of lakes

7. Give a reason for: The astronaut's body floats when he gets out of the Earth.

Answer: ____________________

8. Complete:
Static objects need .... to move, while .... force hold static objects on the ground.

9. Friction force is a type of air resistance

A) True B) False

10. What happen if: Water leaked into Earth through a layer of porous rock?

Answer: ____________________

11. In a watershed, what happens to a body of water upstream also affects what happens to bodies of water downstream.

A) True B) False

12. Fresh water is represented by rain, some lakes and rivers.

A) True B) False

13. Write the scientific term:
The frozen water part of the hydrosphere.

Answer: ____________________

14. Give a reason for: The length and angle of the shadow are different during the day.

Answer: ______________________________

5. Cross out the odd word:

A) Magnetism B) friction force C) moon D) gravity

16. Write the scientific term:
A phenomenon that occurs when the amount of rainfall decreases for a long period.

Answer: ______________________________

17. Write the scientific term:
It's a dark celestial body that appears bright at night due to reflection.

Answer: ______________________________

18. Complete:
A fast-moving river can create a deep ....

19. The Sun at noon would be to your right.

A) True B) False

20. Match the following items with their descriptions:

[1] ______ Groundwater	A) are formed, when water is collected in a low-lying area.
[2] ______ Oceans	B) All of them are connected together.
[3] ______ Lakes	C) contains an amount of fresh water more than a river or a lake.
[4] ______ Wetlands	D) Swamps - ponds

21. Complete:
.... carry plastic waste materials from land to the oceans.

22. What causes day and night?

A) Rotation B) Tilt C) wobble D) Orbit

23. Complete:
When an opaque object blocks the rays of the Sun, ... is formed.

24. Downstream is the place where a river starts.

A) True B) False

25. Hydrologists design tools that provide us with clean water.

A) True B) False

26. Complete:
Ratio of Earth covered by water .....% ,Saltwater ratio ....% ,Freshwater ratio ......% and Land area ratio ....%

27. Complete:
Microplastics are formed when plastic waste is broken down into small particles by .... , ... , and ....

5ST-Final Revision-Exam(2): Name: _______________ [......../15]

Version 4

1. What causes day and night?

A) Tilt B) Rotation C) wobble D) Orbit

2. Cross out the odd word:

A) Magnetism B) gravity C) friction force D) moon

3. Hydrologists design tools that provide us with clean water.

A) True B) False

4. Give a reason for: The astronaut's body floats when he gets out of the Earth.

Answer: ____________________

5. ...., this is an interaction between biosphere and geosphere.

A) Roots fix plants in the soil B) Formation of lakes

C) Formation of lakes D) Polar bears live on ice

6. The Sun at noon would be to your right.

A) True B) False

7. Write the scientific term:
An area along the coast that disappears underwater at high tide and appears at low tide.

Answer: ____________________

8. Write the scientific term:
It's a dark celestial body that appears bright at night due to reflection.

Answer: ____________________

9. Complete:
.... carry plastic waste materials from land to the oceans.

10. Downstream is the place where a river starts.

A) True B) False

11. Give a reason for: The length and angle of the shadow are different during the day.

Answer: ____________________

12. What happen if: Water leaked into Earth through a layer of porous rock?

Answer: ____________________

13. Match the following items with their descriptions:

[1] ______ Groundwater	A) are formed, when water is collected in a low-lying area.
[2] ______ Lakes	B) All of them are connected together.
[3] ______ Oceans	C) contains an amount of fresh water more than a river or a lake.
[4] ______ Wetlands	D) Swamps - ponds

14. Write the scientific term:
It's the spinning of an object around an axis.

Answer: ______________________________

15. Friction force is a type of air resistance

A) True B) False

16. Fresh water is represented by rain, some lakes and rivers.

A) True B) False

17. Complete:
Microplastics are formed when plastic waste is broken down into small particles by .... , ... , and ....

18. Water controls the .... of living organisms.

A) temperature B) health C) growth D) all the previous

19. There are many fresh aquatic environments in Egypt, such as ....

A) Burullus Lake B) Mediterranean Sea C) Qarun Lake D) Nile River estuary

20. Write the scientific term:
A phenomenon that occurs when the amount of rainfall decreases for a long period. (..............................)

21. Complete:
Static objects need .... to move, while .... force hold static objects on the ground.

22. In a watershed, what happens to a body of water upstream also affects what happens to bodies of water downstream.

A) True B) False

23. Complete:
A fast-moving river can create a deep ....

24. Complete:
Ratio of Earth covered by water .....% ,Saltwater ratio ....% ,Freshwater ratio ......% and Land area ratio ....%

25. Gravity is an invisible force that pulls objects upward.

A) True B) False

26. Write the scientific term:
The frozen water part of the hydrosphere. (..............................)

27. Complete:
When an opaque object blocks the rays of the Sun, ... is formed.